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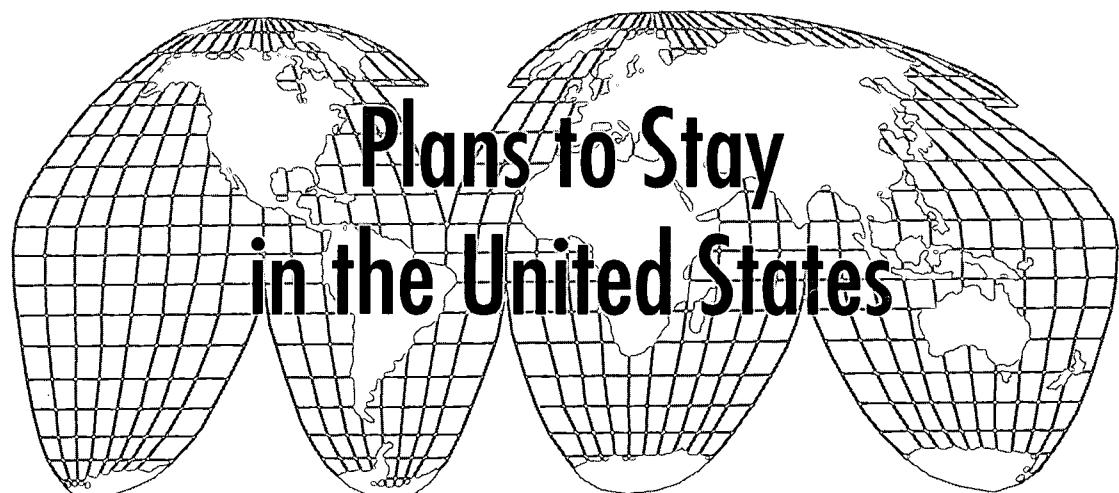
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ABSTRACT

This report provides detailed statistical profiles of students from several major countries who were doctoral recipients in science and engineering at U.S. universities and the initial intent of these foreign doctoral recipients to locate in the United States after graduation. The statistical profiles included in this report contain two tables for each major country of origin in Appendix B. The first set of tables groups degrees by country and field between 1988 and 1996. These tables provide data on several characteristics of doctoral students: gender, visa status, sources of support, time to degree, planned location after Ph.D., and any definite employment plans in the United States. The second set of tables provides similar data for the years 1975, 1980, and 1985-96. (DDR)

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Statistical Profiles of Foreign Doctoral Recipients in Science and Engineering:



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An SRS Special Report

Division of Science Resources Studies
Directorate for Social, Behavioral and Economic Sciences

National Science Foundation



November 1998

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Statistical Profiles of Foreign Doctoral Recipients in Science and Engineering:



**Plans to Stay
in the United States**

Jean M. Johnson, Author
An SRS Special Report

**Division of Science Resources Studies
Directorate for Social, Behavioral and Economic Sciences**

National Science Foundation



November 1998

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Rita R. Colwell

Director

Directorate for Social, Behavioral, and Economic Sciences

Bennett I. Bertenthal

Director

Division of Science Resources Studies

Jeanne E. Griffith

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Science and Engineering Indicators Program

Jennifer S. Bond

Program Director

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of Asia, Europe, and North America; encouraged a summary analysis; and provided review and guidance on this report. NSF/SRS colleagues, including Linda Hardy, Alan Rapaport, Ann Lanier, and Melissa Pollak, reviewed drafts of this report and provided helpful suggestions. Paul W. Jennings of NSF's Division of Graduate Education and Drew Malizio of the National Center for Educational Statistics (NCES) also reviewed a draft of this report and suggested clarifications. Anne Houghton, Publications Manager of SRS with assistance from Julia Harriston and Tanya Gore provided copyediting, processing, final composition, and contracting support for this report. Amy Olener, Michelle Neil, and Joanna Zito of ESNE provided editing, proofreading, and composition support for this report.

FOREWORD

The international mobility of foreign scientists and engineers and their significant presence in the U.S. labor force often begins with their graduate education at U.S. universities. This report provides detailed statistical profiles of students from several major countries who were doctoral recipients in science and engineering (S&E) at U.S. universities. It also provides information on the initial intent of these foreign doctoral recipients to locate in the United States after graduation.

The National Science Foundation (NSF), Division of Science Resources Studies (SRS), is developing a database on global human resources for science and engineering and has data on doctoral S&E programs for some countries in Asia, Europe, and North America. (See *Human Resources for Science and Technology: The Asian Region* [NSF 93-303] and *Human Resources for Science and Technology: The European Region* [NSF 96-316]). This report provides the U.S. component of

doctoral training of students from these countries. It also supplements coverage of foreign doctoral recipients in the National Science Board's *Science and Engineering Indicators: 1998* and other reports published by SRS, e.g., Issue Brief, "International Mobility of Scientists and Engineers to the United States—Brain Drain or Brain Circulation?"

It is hoped that these statistical profiles will prove useful to policymakers and to the research community and will lead to additional analyses in an area of growing interest.

Jeanne E. Griffith, Director
Division of Science Resources Studies
Directorate for Social, Behavioral, and
Economic Sciences

November, 1998

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GENERAL NOTES

This report provides statistical profiles of foreign students from major countries in Asia, Europe, and North America¹ who earned doctoral degrees in science and engineering (S&E) fields at U.S. institutions. The countries represent 74 percent of all foreign doctoral recipients in S&E fields. Foreign doctoral recipients from other regions of the world (e.g., South America, the Middle East, and Africa) are not included in this report.

The statistical profiles included in this report contain two tables for each major country of origin in Appendix B. The first set of tables (B-1 through B-14) groups degrees by country and field between 1988 and 1996, a period of rapid growth in S&E doctorates earned by foreign students. These tables provide data on several characteristics of doctoral recipients: gender, visa status, sources of support, time to degree, planned location after Ph.D., and any definite employment plans in the United States. The second set of tables (B-15

through B-28) provides similar data for the years 1975, 1980, and 1985–96.

These data are used to analyze the growth of S&E doctoral degrees earned by foreign students and the students' plans to remain in the United States after graduation. Data on plans to stay in the United States are collected by the Survey of Earned Doctorates (SED). A "plan to stay" means that a student intends to remain in the United States after graduation and a "firm plan to stay" means that a student has accepted a definite offer of a postdoctoral appointment or employment in the United States. The number of foreign doctoral recipients with firm plans to stay in the United States is a good indicator of those who actually stay² and is referred to in this report as a "stay rate." Summary tables used for this analysis (combining all countries from the three regions) are provided in Appendix A.

¹ This report contains data for the European countries of France, Germany, Greece, Italy, and the United Kingdom. In addition, data for several groupings—other Western European countries, Eastern European countries, Scandinavian countries, and Russia and former Soviet Republics—are included. The Asian countries covered in this report are those that supply the largest numbers of students—China, India, South Korea, and Taiwan. For North America, data for Canada and Mexico are included.

² Michael G. Finn, Leigh Ann Pennington, and Kathryn Hart Anderson, "Foreign Nationals Who Receive Science or Engineering Ph.D.s from U.S. Universities: Stay Rates and Characteristics of Stayers," Oak Ridge, TN: Oak Ridge Institute for Science and Education, April 1995.

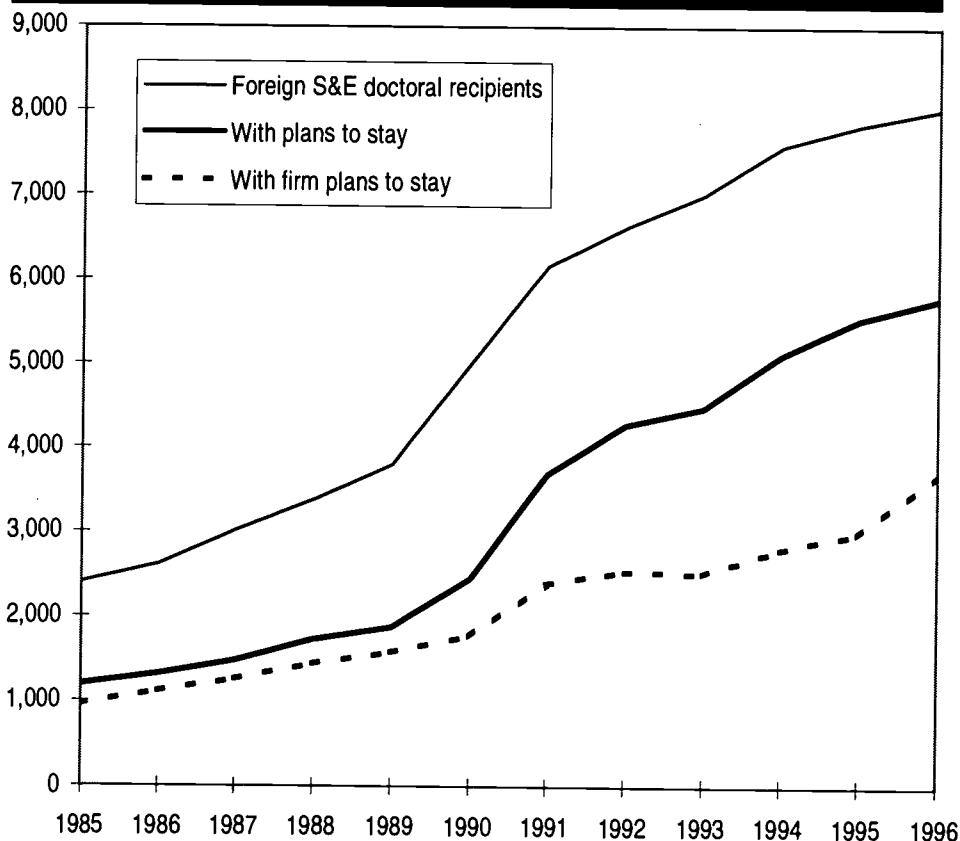
FOREIGN DOCTORAL RECIPIENTS WITH PLANS TO STAY IN THE UNITED STATES

In the last decade, the number of students from countries of Europe, Asia, and North America earning S&E doctoral degrees at U.S. institutions has been increasing faster than the overall number of S&E doctoral degrees awarded by U.S. institutions. The number of S&E doctoral degrees earned in the United States by students from these regions increased from 2,400 in 1985 to over 8,000 in 1996, an average annual growth rate of 11.6 percent. During the same period, the total number of S&E doctoral degrees earned in

the United States increased from 18,000 to 27,000, representing an annual increase of 3.4 percent³ (table A-1). Paralleling the increase in the number of S&E doctoral recipients from these three regions is an increase in those who plan to remain in the United States after receiving their degrees (figure 1).

Between 1988-96, students from the major countries of Asia, Europe, and North America earned more than 55,000 S&E doctoral degrees at U.S. institutions. During

Figure 1. Number of foreign S&E doctoral recipients (from North America, Europe, and Asia) with plans to stay in the United States



NOTE: See appendix table A-2 for countries included within each region.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations, and table A-1.

³ The average annual increase in the number of degrees awarded to U.S. citizens was 1.8 percent. See *Science and Engineering Doctorate Awards: 1996, Detailed Statistical Tables*, NSF 97-329 (Arlington, VA, 1997).

this period, 63 percent of these 55,000 doctoral recipients planned to remain in the United States after completing their studies and 37 percent planned to locate outside the United States. About 39 percent of foreign doctoral recipients had firm plans to remain in the United States (table 1). To be counted as having "firm plans" to remain, the respondent had to give the name and address of his or her prospective employer.

The number of foreign doctoral recipients from Asia is five times higher than the number from Europe. In addition, students from the Asian region have a higher planned stay rate than those from Europe and North America. Plans to stay in the United States, however, differ widely by country.

ASIA

High stay rates in the United States are largely attributable to more favorable opportunities for employment or further study in the United States than in countries of origin. Between 1988-96, a large majority

of doctoral recipients from China and India planned to remain in the United States for further study and employment. During this period, about 80 percent of the approximately 25,000 Indian and Chinese S&E doctoral recipients planned to remain in the United States, and about half reported accepting firm offers to do so (figure 2 and table A-2). The high stay rate of Chinese students is largely attributable to the enactment (after the student demonstrations in Tiananmen Square) of the Chinese Student Protection Act of 1992, granting permanent U.S. residence status to most of the students.

In contrast to the high stay rates for Indian and Chinese doctoral students, only 23 percent of doctoral recipients from South Korea and 28 percent from Taiwan reported accepting firm offers to remain in the United States (table A-2).

Planned stay rates for the whole period 1988-96, however, mask differences over time for several countries. The trend in the 1990s has been for fewer doctoral recipients from South Korea and Taiwan to

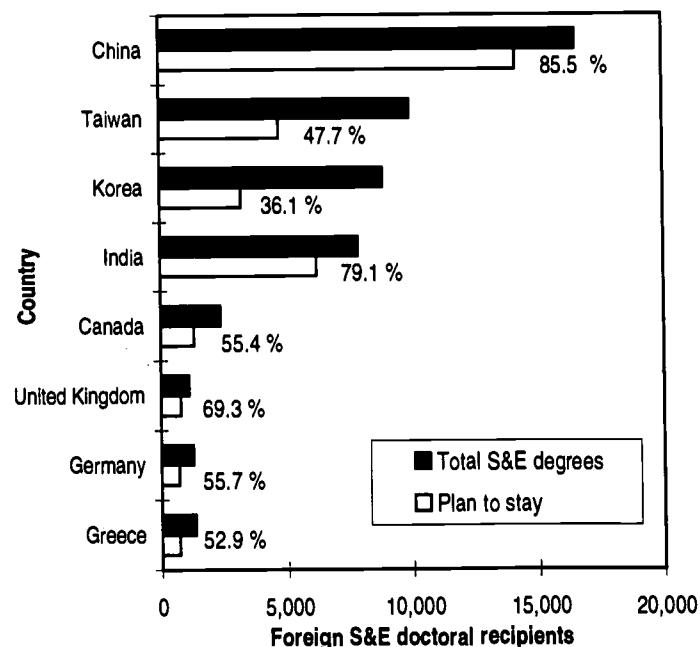
Table 1. Number and percent of foreign S&E doctoral recipients with plans to stay in the United States, by selected region: 1988-96

Regions ¹	Foreign S&E doctoral recipients				
	Total	With plans to stay	Percent	With firm plans to stay	Percent
Regions ¹	55,444	34,917	63.0	21,779	39.3
Asia.....	43,171	28,280	65.5	16,964	39.3
Europe.....	8,760	4,898	55.9	3,521	40.2
North America.....	3,513	1,739	49.5	1,294	36.8

¹See table A-1 for countries within each region.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations, and table A-1.

Figure 2. Number and percent of foreign S&E doctoral recipients with plans to stay in the U. S., by country of origin



SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations, and table A-2.

remain in the United States because of improved employment opportunities in their home countries. This is particularly true of South Korean engineering doctoral recipients.⁴ However, these trends could change because of deteriorating financial conditions in Asia in 1998. For other countries, notably China, the number of doctoral recipients with firm plans to stay has increased in the 1990s (figure 3).

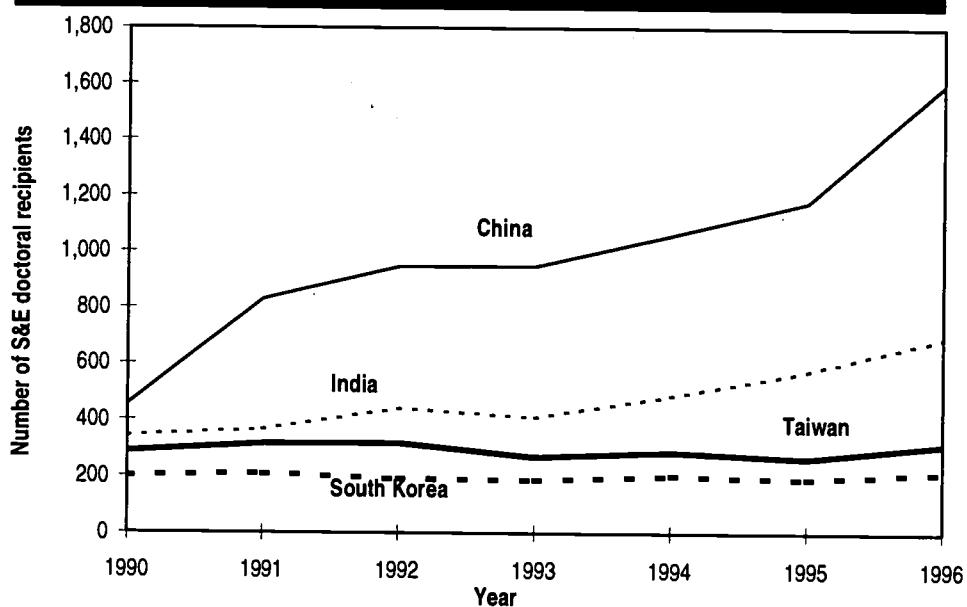
Before 1988, about half of the foreign students who earned S&E doctoral degrees at U.S. universities planned to locate in the United States after completing their degrees. In the 1990s, however, the proportion with plans to remain in the United States increased to more than 60 percent.⁵ Although the increase in the stay rate of Chinese students is largely responsible for the jump in the overall rate of those planning to stay, students from other countries are also contributing to the growing number of those who plan to stay. Undoubtedly, the increase—particularly after 1993—is a reflection of rising employment opportunities made possible by a strong U.S. economy (figure 4).

Information on initial plans to stay in the United States (collected by the SED at the time of graduation) is corroborated by the findings of a recent study of foreign doctoral recipients working and earning wages in the United States.⁶ According to this study, the majority of 1990–91 doctoral recipients from India (79 percent) and China (88 percent) were still working in the United States in 1995. In contrast, only 11 percent of South Koreans who earned S&E doctorates from U.S. universities in 1990–91 were working in the United States in 1995.

EUROPE

The number of European students who completed U.S. doctoral programs between 1988 and 1996 (8,700) is small compared to the number of Asian students who completed U.S. doctoral programs during the same time frame (43,171), even when all Western and Eastern European countries are combined and compared to only four Asian countries. Recently, however, more European students have been taking

Figure 3. Number of U.S. S&E doctoral recipients from selected Asian countries with firm plans to remain in the United States: 1990–96



SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations, and table A-3.

⁴ National Science Board, "Higher Education in Science and Engineering," *Science & Engineering Indicators-1998*. Arlington, VA: National Science Foundation, 1998 (NSB98-1).

⁵ *Ibid.*

⁶ M.G. Finn, "Stay Rates of Foreign Doctorate Recipients from U.S. Universities: 1995," Oak Ridge, TN: Oak Ridge Institute for Science and Education, 1997.

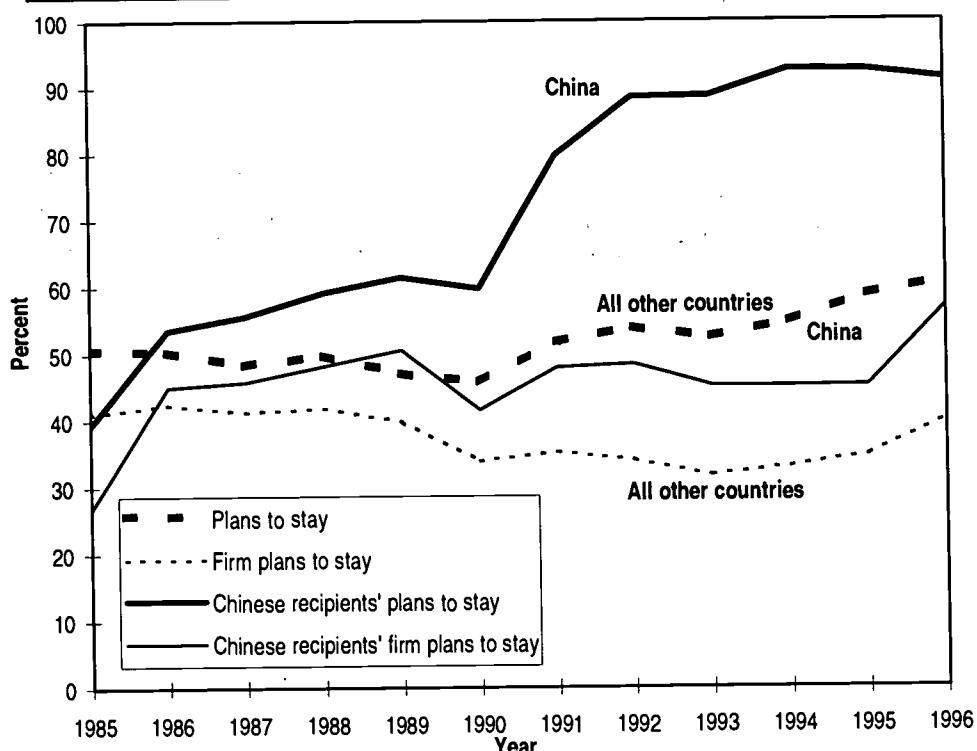
doctoral training at U.S. universities, and a larger proportion of these students is planning to remain in the United States. The United Kingdom and Greece traditionally have been the major countries of origin of European doctoral students in the United States. In recent years, Germany has joined this group.

Relatively few French or Italian students come to the United States for doctoral training compared to the number from other European countries, and relatively few of those plan to remain after completing their degrees (table A-2). However, new Ph.D.s from France have come to the United States temporarily for postdoctoral appointments. In 1995, there were twice as many French postdoctorates (271) as there were French doctoral students (132) in the United States.⁷

NORTH AMERICA

Within North America, Canada has sent far more S&E doctoral students to U.S. universities than did Mexico. In addition, the number of Canadian students who have earned S&E doctoral degrees in the United States—although smaller than the number from individual Asian countries—is higher than the number from individual European countries. More than half of these doctoral recipients planned to locate in the United States, and 43 percent reported firm offers for further study or work in the United States. Mexico sent relatively few students to U.S. doctoral programs, and a relatively small percentage (similar to that of South Korea) planned to stay in the United States (table A-2).

Figure 4. Percent of U.S. S&E doctoral recipients from China and all other countries with plans to stay in the United States: 1985–96



SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations, and table A-4.

⁷ See Damien Terouanne, "Presence Francaise en Science et en Ingenierie Aux Etats-Unis: Cerveaux en fuite ou en voyage?", a joint project between NSF and the French National Committee for Scientific Research (known by its French abbreviation, CNRS), published by CNRS Washington, 1997.

MAIN ACTIVITY OF FOREIGN DOCTORAL RECIPIENTS WITH PLANS TO STAY IN THE UNITED STATES

From 1988-96, U.S. institutions awarded 55,000 S&E doctoral degrees to persons from the countries covered in this report. Of those students, 39 percent reported firm work or study offers in the United States at the time the SED was conducted (table A-1). Two types of offers were reported: (1) temporary (usually 1-2 years) postdoctoral appointments, and (2) offers of employment positions in industry and other sectors.

POSTDOCTORAL APPOINTMENTS IN THE UNITED STATES

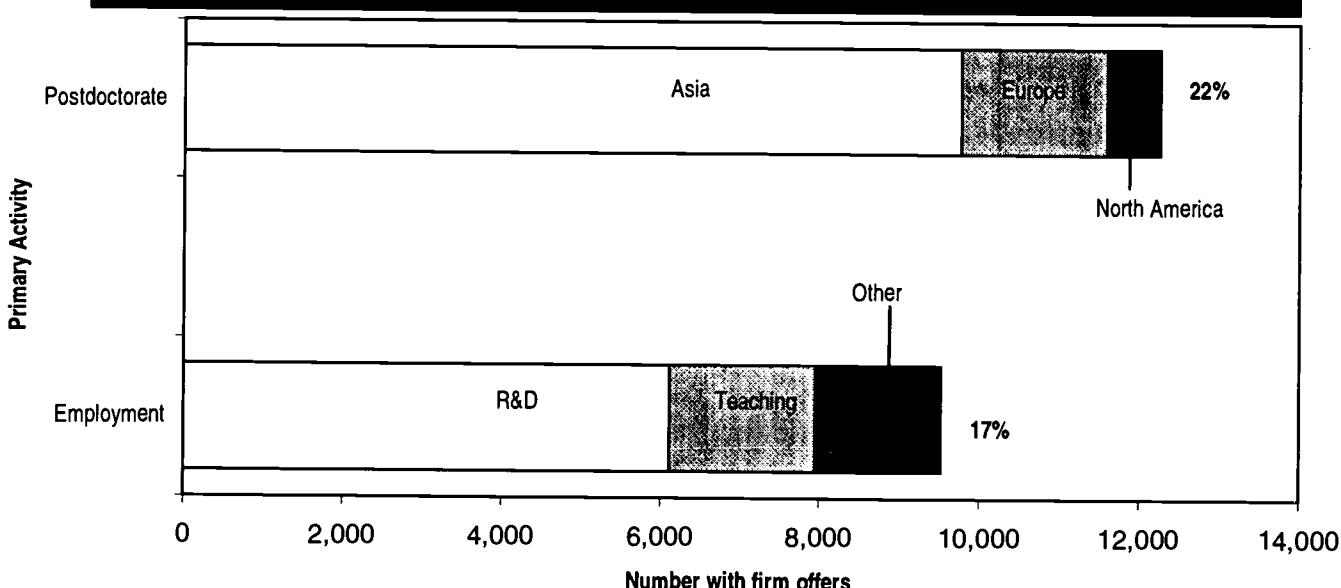
More than half of the students with firm offers reported they were planning to take postdoctoral appointments. This was 22 percent—or 12,000 students—of all 1988-96 foreign doctoral recipients in S&E fields (figure 5). Of these 12,000 students, almost 10,000 were from Asia, almost 2,000 were from Europe, and over 600 were from North America (figure 5 and table A-5).

EMPLOYMENT POSITIONS IN THE UNITED STATES

About 10,000 students reported receiving firm employment offers in the United States, representing 17 percent of all 1988-96 foreign S&E doctoral recipients (table A-5). Of this group, about 7,000 were from Asia, 1,700 were European, and 600 were from North America. Most of these job offers consisted of employment in research and development (figure 5). Only 3 percent of foreign S&E doctoral recipients receive a firm teaching offer directly after completing their degree. The percentage of teaching offers was somewhat higher (8 percent) for students from the United Kingdom (table A-5).

The primary postgraduation activity reported by foreign doctoral students with firm plans to remain in the United States also differed by country of origin. A large majority of Chinese students received offers of postdoctoral

Figure 5. Number and percent of foreign S&E doctoral recipients with firm offers and plans to stay in the United States, by primary activity: 1988-96



SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates, special tabulations, and table A-5.

appointments, probably because the majority earn degrees in the natural sciences, fields in which postdoctoral experiences are common. During the period 1988–96, more than 5,000 Chinese doctoral recipients received postdoctoral appointments (table A-5). In contrast, Indian students were more likely to report permanent employment offers in the United States than postdoctoral appointments. Almost one-third of all S&E doctoral students from India reported receiving firm employment offers in the United States before completing their studies.

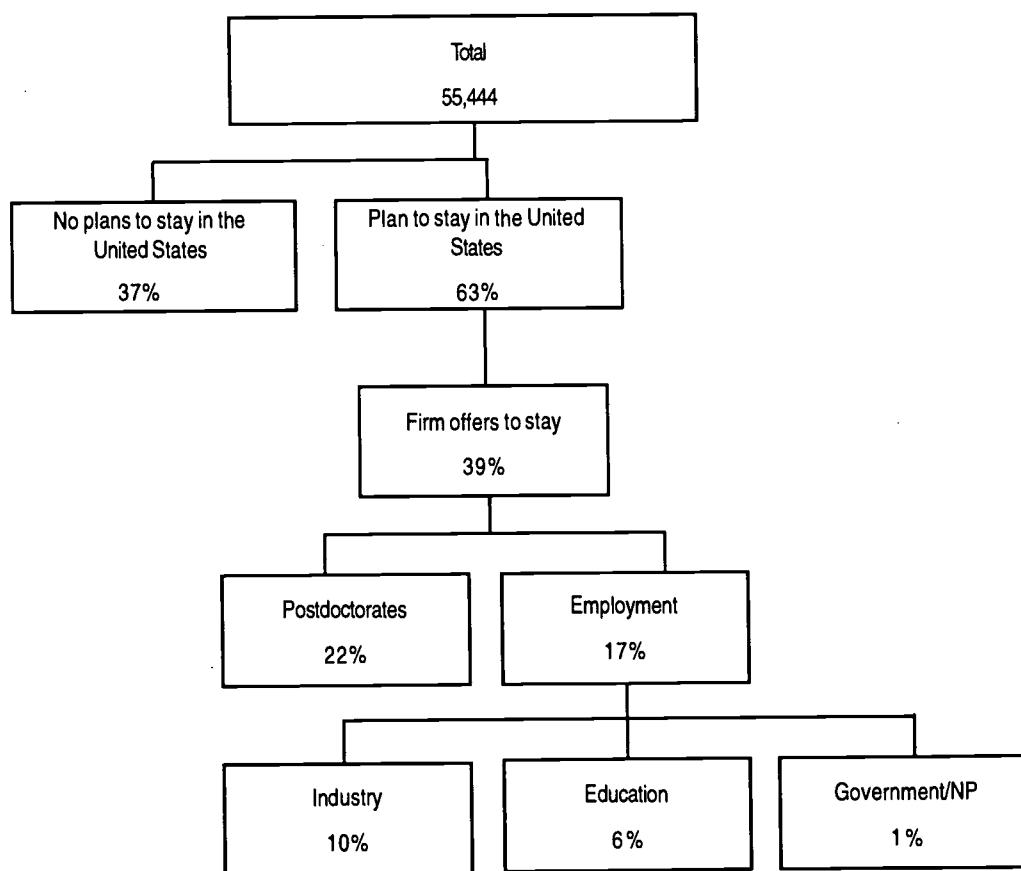
The relatively low stay rates of S&E doctoral recipients from Taiwan and South Korea might be explained in part by those countries' dynamic economies. From 1988–96, these countries were successful in attracting their students to return home. Only a small fraction of Korean doctoral recipients (6 percent) reported firm plans for U.S. employment. Most Koreans who

planned to remain in the United States received offers of temporary postdoctoral appointments. Taiwanese and European students were evenly divided between accepting postdoctoral appointments and employment in the United States.

TYPE OF EMPLOYER

Industry is the largest employer of foreign S&E doctoral recipients with firm job offers in the United States. Of the almost 10,000 foreign S&E doctoral recipients from 1988–96 who reported firm offers to work in the United States (representing 17 percent of total S&E foreign doctoral recipients), more than half (10 percent of the total) received offers from industry (figure 6). Again, there are differences by country and field. For example, 20 percent of doctoral recipients from India reported receiving firm offers of employment from U.S.

Figure 6. Number and percent of foreign S&E doctoral recipients with plan to stay in the United States: 1988–96



SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

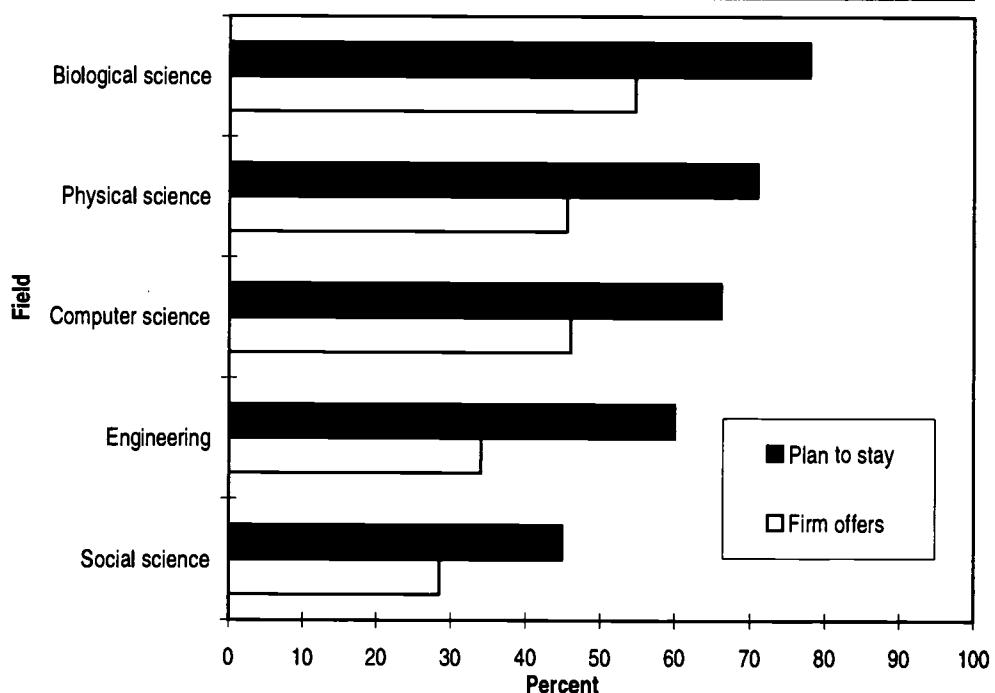
industrial firms, nearly—or more than—double the percentages for the other countries covered in this report (table A-6). Although Korea and Taiwan send more students than India to the United States for graduate study in S&E, the percentages of their students receiving firm job offers from U.S. industry are much lower—2.3 percent and 9.8 percent, respectively—than India's.

About 6 percent of the 1988–96 foreign S&E doctoral recipients received academic research or teaching offers from U.S. educational institutions (table A-6). Again, there are differences by country. China and India had the highest absolute numbers of students with these offers (874 and 744, respectively), but the United Kingdom had by far the highest percentage of students with these offers (15.7 percent).

FIELD OF SCIENCE

The stay rates of foreign doctoral recipients also vary by S&E field. Foreign students earning doctoral degrees in the biological sciences are the most likely to have plans to remain in the United States and to receive firm offers of postdoctoral study to do so. Of the approximately 9,000 foreign students earning doctoral degrees in the biological sciences from 1988–96, 77 percent planned to remain in the United States and 55 percent reported having firm offers (figure 7). Other fields showing relatively high stay rates are the physical sciences and computer sciences. A smaller proportion of foreign doctoral recipients in fields of engineering and the social sciences plans to remain in the United States; this was especially true for Taiwanese and Korean students majoring in engineering.

Figure 7. Percent of foreign doctoral recipients with plans to stay in the United States, by field: 1988–96

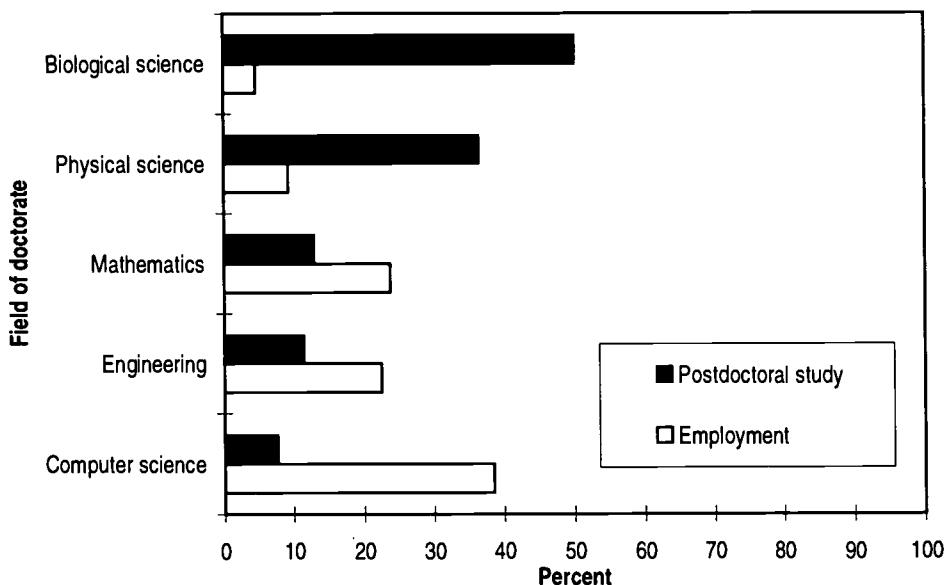


SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations, and table A-7.

The decision to accept postdoctoral study is, not surprisingly, greatest in fields in which such further study is a common career path. More than half of all foreign students earning doctoral degrees in the biological sciences plan to remain in the United States for postdoctoral study, whereas only 5 percent report firm job offers (figure 8). In contrast, only 7 percent of computer science majors plan to remain for postdoctoral study, whereas more than 38 percent had employment offers. Those earning Ph.D.s in mathematics also seemed to be in high demand in the United States; most of their employment offers came from universities.

As stated earlier, the majority of U.S. employment offers received by foreign S&E doctoral recipients were from industry; a smaller proportion receives offers from educational institutions. Industry provided the highest numbers of job offers to foreign graduate students majoring in engineering (3,256), physical sciences (713), and computer sciences (591). The highest number of job offers made by educational institutions went to students majoring in psychology and social sciences (1,213), engineering (815), and mathematics (620) (table A-9).

Figure 8. Percent of foreign doctoral recipients with firm plans to remain in the United States, by field and main activity: 1988-96



SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations, and table A-8.

SUMMARY AND CONCLUSIONS

The majority of foreign students who earned S&E doctorates from U.S. institutions during 1988–96 planned to locate in the United States, and almost 40 percent reported firm plans for further study or employment. Most of those with firm plans had offers of postdoctoral appointments. The remaining students (17 percent of all foreign S&E doctoral students) had employment offers, mostly from industry. The primary work activity identified in these offers from industry is research and development. Industry was more likely to make offers to new foreign Ph.D.s who majored in engineering, the physical sciences, and computer science than to those who majored in other fields.

Stay rates for foreign students are not static. They are influenced by U.S. immigration policy, the number and quality of job opportunities in the home countries of the students, and political change. The stay rate of foreign doctoral recipients should be closely monitored because it has implications for the U.S. economy and the

concentration of scientists and engineers in the United States as well as on the economies of the nations these students come from. For example, in the 1990s, the number of South Korean and Taiwanese S&E doctoral recipients reporting plans to remain in the United States declined because the economies of South Korea and Taiwan increased those countries' capacities to absorb the majority of the U.S.-trained doctoral scientists and engineers. Whether this trend continues following the Asian economic crisis of 1998 should be monitored. Because China is now the main country of origin of foreign S&E doctoral recipients in the United States, the trend toward increasing stay rates in the 1990s should be followed to see whether it is temporary. Should China succeed in implementing economic reforms that rely heavily on scientific and technological progress, the demand for high-level specialized personnel and the number of new Ph.D.s returning to China may increase substantially.

APPENDIX A

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Table A-1. Number and percent of foreign S&E doctoral recipients from major countries of origin with plans to stay in the United States: 1985-96¹

Years	Total S&E doctoral recipients	Foreign S&E doctoral recipients				
		Total	With plans to stay	Percent	With firm plans to stay	Percent
1985.....	18,113	2,401	1,201	50.0	963	40.1
1986.....	19,437	2,613	1,322	50.6	1,111	42.5
1987.....	19,894	3,018	1,479	49.0	1,257	41.7
1988.....	20,933	3,383	1,729	51.1	1,444	42.7
1989.....	21,731	3,795	1,873	49.4	1,575	41.5
1990.....	22,867	5,002	2,449	49.0	1,778	35.5
1991.....	24,019	6,167	3,690	59.8	2,397	38.9
1992.....	24,673	6,625	4,274	64.5	2,541	38.4
1993.....	25,441	7,014	4,480	63.9	2,516	35.9
1994.....	26,202	7,590	5,108	67.3	2,805	37.0
1995.....	26,515	7,842	5,533	70.6	3,000	38.3
1996.....	27,230	8,026	5,781	72.0	3,713	46.3

1 Foreign doctoral recipients from major countries of origin: Asia, Europe, and North America.

Asia includes China, India, Japan, South Korea, and Taiwan. Europe includes all Scandinavian, Western, and Eastern European countries. North America includes Canada and Mexico.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations.

Table A-2. Number and percent of foreign S&E doctoral recipients with plans to stay in the United States, by selected countries/regions: 1988-96

Region/country	Foreign S&E doctoral recipients				
	Total	With plans to stay	Percent	With firm plans to stay	Percent
Total: Selected countries	55,444	34,917	63.0	21,779	39.3
Asia.....	43,171	28,280	65.5	16,964	39.3
China.....	16,550	14,145	85.5	7,935	47.9
India.....	7,843	6,200	79.1	4,290	54.7
Korea.....	8,851	3,197	36.1	2,005	22.7
Taiwan.....	9,927	4,738	47.7	2,734	27.5
Europe.....	8,760	4,898	55.9	3,521	40.2
France.....	653	275	42.1	181	27.7
Germany.....	1,283	714	55.7	520	40.5
Greece.....	1,343	710	52.9	494	36.8
Italy.....	658	288	43.8	198	30.1
United Kingdom.....	1,132	784	69.3	595	52.6
Other Western European Countries.....	1,725	870	50.4	655	38.0
Scandinavian countries.....	612	276	45.1	195	31.9
Eastern Europe.....	1,354	981	72.5	683	50.4
North America.....	3,513	1,739	49.5	1,294	36.8
Canada.....	2,387	1,322	55.4	1,027	43.0
Mexico.....	1,126	417	37.0	267	23.7

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations.

Table A-3. Foreign S&E doctoral recipients with firm plans to stay in the United States, by year of degree: selected Asian countries

Years	China	India	Taiwan	South Korea
1990.....	477	342	287	200
1991.....	858	365	315	210
1992.....	988	442	318	192
1993.....	1,003	409	269	188
1994.....	1,138	486	287	204
1995.....	1,241	573	266	193
1996.....	1,680	692	314	215

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations.

Table A-4. Number and percent of S&E doctoral recipients with plans to stay in the United States, from China and all other countries¹

All countries except China	Foreign S&E doctoral recipients				
	Total	With plans to stay	Percent	With firm plans to stay	Percent
1985.....	2,266	1,148	50.7	927	40.9
1986.....	2,415	1,216	50.4	1,022	42.3
1987.....	2,725	1,316	48.3	1,123	41.2
1988.....	2,903	1,445	49.8	1,213	41.8
1989.....	3,175	1,492	47.0	1,262	39.7
1990.....	3,852	1,762	45.7	1,301	33.8
1991.....	4,374	2,261	51.7	1,539	35.2
1992.....	4,580	2,465	53.8	1,553	33.9
1993.....	4,787	2,505	52.3	1,513	31.6
1994.....	5,059	2,763	54.6	1,667	33.0
1995.....	5,090	2,988	58.7	1,759	34.6
1996.....	5,074	3,091	60.9	2,033	40.1
China					
1985.....	135	53	39.3	36	26.7
1986.....	198	106	53.5	89	44.9
1987.....	293	163	55.6	134	45.7
1988.....	480	284	59.2	231	48.1
1989.....	620	381	61.5	313	50.5
1990.....	1,150	687	59.7	477	41.5
1991.....	1,793	1,429	79.7	858	47.9
1992.....	2,045	1,809	88.5	988	48.3
1993.....	2,227	1,975	88.7	1,003	45.0
1994.....	2,531	2,345	92.6	1,138	45.0
1995.....	2,752	2,545	92.5	1,241	45.1
1996.....	2,952	2,690	91.1	1,680	56.9

1 Foreign doctoral recipients from selected countries of Asia, Europe, and North America. Asia includes India, Japan, South Korea, and Taiwan. Europe includes all Scandinavian, Western, and Eastern European countries. North America includes Canada and Mexico.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations.

Table A-5. Number and percent of foreign S&E doctoral recipients with firm plans to stay in the United States, by primary activity and region/country: 1988-96

Region/country	Total foreign S&E doctorates	Total with firm plans	Percent	Postdoctoral study	Percent	Primary activity					
						Total Employment	Percent	R&D	Percent	Teaching	Percent
Total.....	55,444	21,770	39.3	12,252	22.1	9,517	17.2	6,116	11.0	1,566	2.8
Asia.....											
China.....	43,171	16,956	39.3	9,766	22.6	7,189	16.7	4,812	11.1	985	2.3
India.....	16,550	7,930	47.9	5,085	30.7	2,845	17.2	1,866	11.3	345	2.1
Korea.....	7,843	4,291	54.7	1,828	23.3	2,463	31.4	1,634	20.8	359	4.6
Taiwan.....	8,851	2,002	22.6	1,505	17.0	497	5.6	311	3.5	128	1.4
Europe.....											
France.....	8,760	3,520	40.2	1,822	20.8	1,698	19.4	980	11.2	430	4.9
Germany.....	653	181	27.7	85	13.0	96	14.7	61	9.3	23	3.5
Greece.....	1,283	520	40.5	285	22.2	235	18.3	130	10.1	64	5.0
Italy.....	1,343	494	36.8	227	16.9	267	19.9	153	11.4	72	5.4
United Kingdom.....	658	198	30.1	94	14.3	104	15.8	59	9.0	25	3.8
Other Western European countries.....	1,132	595	52.6	302	26.7	293	25.9	139	12.3	92	8.1
Scandinavian countries.....	1,725	655	38.0	345	20.0	310	18.0	193	11.2	69	4.0
Eastern Europe.....	612	195	31.9	96	15.7	99	16.2	60	9.8	19	3.1
North America.....											
Canada.....	1,354	682	50.4	388	28.7	294	21.7	185	13.7	66	4.9
Mexico.....	1,126	267	23.7	141	12.5	126	11.2	67	6.0	34	3.0

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates, special tabulations.

Table A-6. Number and percent of foreign S&E doctoral recipients with firm employment offers in the United States, by type of employer and region/country of origin: 1988-96

Region/country	Total	Foreign S&E doctorates		Type of employer					
		With firm employment offer	Percent	Educational institution	Percent	Business/industry	Percent	Government, nonprofit and other	Percent
Total.....	55,444	9,517	17.2	3,480	6.3	5,298	9.6	738	1.3
Asia.....	43,171	7,189	16.7	2,210	5.1	4,481	10.4	497	1.2
China.....	16,550	2,845	17.2	874	5.3	1,738	10.5	232	1.4
India.....	7,843	2,463	31.4	744	9.5	1,565	20.0	154	2.0
Korea.....	8,851	497	5.6	248	2.8	206	2.3	43	0.5
Taiwan.....	9,927	1,384	13.9	344	3.5	972	9.8	68	0.7
Europe.....	8,760	1,698	19.4	951	10.9	577	6.6	170	1.9
France.....	653	96	14.7	40	6.1	44	6.7	12	1.8
Germany.....	1,283	235	18.3	143	11.1	66	5.1	26	2.0
Greece.....	1,343	267	19.9	148	11.0	110	8.2	9	0.7
Italy.....	658	104	15.8	70	10.6	20	3.0	14	2.1
United Kingdom.....	1,132	293	25.9	178	15.7	75	6.6	40	3.5
Other Western European countries.....	1,725	310	18.0	169	9.8	105	6.1	36	2.1
Scandinavian countries.....	612	99	16.2	51	8.3	34	5.6	14	2.3
Eastern Europe.....	1,354	294	21.7	152	11.2	123	9.1	19	1.4
North America.....	3,513	630	17.9	319	9.1	240	6.8	71	2.0
Canada.....	2,387	504	21.1	257	10.8	191	8.0	56	2.3
Mexico.....	1,126	126	11.2	62	5.5	49	4.4	15	1.3

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates, special tabulations.

Table A-7. Number and percent of foreign S&E doctoral recipients with plans to stay in the United States, by field: 1988-96

Field	Foreign S&E doctorates				
	Total	With plans to stay	Percent	With firm plans to stay	Percent
Total S&E	55,444	34,917	63.0	21,770	39.3
Physical sciences.....	9,874	6,968	70.6	4,510	45.7
Earth sciences.....	1,541	968	62.8	555	36.0
Mathematics.....	3,490	2,134	61.1	1,284	36.8
Computer sciences.....	2,613	1,734	66.4	1,206	46.2
Engineering.....	19,030	11,484	60.3	6,474	34.0
Biological sciences.....	9,149	7,092	77.5	5,001	54.7
Agricultural sciences	2,050	1,042	50.8	550	26.8
Psychology/ social sciences.....	7,697	3,495	45.4	2,189	28.4

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates, special tabulations.

Table A-8. Number and percent of foreign S&E doctoral recipients with firm offers to stay in the United States, by field and main activity: 1988-96

Field	Foreign S&E doctorates			Firm offers			Firm employment by type of activity						
	Total	Total with firm offers	Percent	Postdoctoral appointment	Percent	Employment	Percent	R&D	Percent	Teaching	Percent	Other	Percent
Total S&E.....	55,444	21,770	39.3	12,252	22.1	9,518	17.2	6,116	11.0	1,566	2.8	1,835	3.3
Physical sciences.....	9,874	4,510	45.7	3,590	36.4	920	9.3	687	7.0	61	0.6	172	1.7
Earth sciences.....	1,541	555	36.0	371	24.1	184	11.9	107	6.9	17	1.1	80	5.2
Mathematics.....	3,490	1,284	36.8	453	13.0	831	23.8	366	10.5	294	8.4	171	4.9
Computer sciences.....	2,613	1,206	46.2	199	7.6	1,007	38.5	710	27.2	176	6.7	121	4.6
Engineering.....	19,030	6,474	34.0	2,195	11.5	4,279	22.5	3,176	16.7	365	1.9	738	3.9
Biological sciences.....	9,149	5,001	54.7	4,580	50.1	421	4.6	258	2.8	54	0.6	109	1.2
Agricultural sciences.....	2,050	550	26.8	410	20.0	150	7.3	103	5.0	14	0.7	33	1.6
Psychology/ social sciences.....	7,697	2,189	28.4	464	6.0	1,725	22.4	709	9.2	589	7.7	427	5.5

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations.

Table A-9. Number and percent of foreign S&E doctoral recipients with firm employment offers, by field
and type of employer: 1988-96

Field	Foreign S&E doctorates			Type of employer					
	Total	With employment offers	Percent	Education	Percent	Industry	Percent	Government/ private nonprofit	Percent
All S&E fields.....	55,444	9,518	17.2	3,480	6.3	5,298	9.6	739	1.3
Physical sciences.....	9,874	920	9.3	141	1.4	713	7.2	66	0.7
Earth sciences.....	1,541	184	11.9	49	3.2	104	6.7	31	2.0
Mathematics.....	3,490	831	23.8	620	17.8	189	5.4	22	0.6
Computer sciences.....	2,613	1,007	38.5	391	15	591	22.6	25	1.0
Engineering.....	19,030	4,279	22.5	815	4.3	3,256	17.1	208	1.1
Biological sciences.....	9,149	421	4.6	208	2.3	146	1.6	67	0.7
Agricultural sciences	2,050	150	7.3	43	2.1	88	4.3	19	0.9
Psychology/ social sciences.....	7,696	1,725	22.4	1,213	15.8	211	2.7	301	3.9

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates, special tabulations.

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Table B-1. Statistical profile of doctorate recipients from Canada, by major field of doctorate: 1988-96

Item	Total All Fields	Total Science and Engineering	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields	
Total Number of Ph.D.s¹	4,156	2,387	322	90	125	76	371	513	107	783	1,769	637	577	191	364
Percent men.....	63.6	69.8	86.0	75.6	79.2	84.2	89.5	62.0	69.2	55.4	55.3	58.9	50.6	28.8	70.6
Percent women.....	36.4	30.2	14.0	24.4	20.8	15.8	10.5	38.0	30.8	44.6	44.7	41.1	49.4	71.2	29.4
Percent with permanent visa.....	26.0	24.8	19.9	23.3	12.0	27.6	21.0	30.0	12.2	28.7	27.6	28.4	27.9	27.7	25.5
Percent with temporary visa.....	74.0	75.2	80.1	76.7	88.0	72.4	79.0	70.0	87.9	71.3	72.4	71.6	72.1	72.3	74.5
Percent married.....	49.1	44.7	36.3	50.0	32.8	48.7	44.5	47.0	49.5	46.9	55.1	47.1	61.7	52.9	59.6
Percent not married.....	45.0	50.5	59.3	48.9	63.2	46.1	53.1	48.3	46.7	46.1	37.5	44.0	30.8	41.4	34.9
Percent unknown.....	5.9	4.9	4.3	1.1	4.0	5.3	2.4	4.7	3.7	7.0	7.4	8.9	7.5	5.8	5.5
Median age at Ph.D. in years.....	32.8	30.8	28.7	31.8	28.9	30.7	29.9	31.3	31.9	32.8	37.3	33.4	43.3	37.3	36.5
Percent with dependents.....	32.3	25.5	18.3	26.7	19.2	31.6	28.6	23.4	30.8	27.8	41.4	28.3	52.2	37.7	49.5
Percent receiving sources of support ²															
Personal.....	71.3	61.2	39.1	53.3	45.6	63.2	57.4	58.5	59.8	77.1	84.9	78.7	92.0	86.9	83.2
Foreign government.....	28.2	32.1	36.6	35.6	40.8	35.5	27.5	26.1	31.8	34.4	23.0	31.4	8.3	29.8	27.7
University.....	82.1	88.2	95.3	95.6	93.6	92.1	92.5	87.5	82.2	82.4	73.9	87.9	56.7	71.7	78.0
Teaching assistant.....	52.3	53.0	63.4	54.4	82.4	56.6	41.8	48.1	22.4	56.1	51.4	74.4	29.5	40.3	51.6
Research assistant.....	49.8	65.5	87.0	80.0	59.2	80.3	86.8	63.9	73.8	44.4	28.6	16.0	26.0	46.6	45.3
Other university.....	29.6	28.2	21.4	22.2	24.8	15.8	20.2	31.2	21.5	36.3	31.5	47.4	18.0	22.0	30.2
Other.....	19.9	17.3	7.8	18.9	12.0	21.1	17.0	18.3	12.2	21.7	23.4	22.0	19.6	33.5	26.6
Unknown.....	3.7	3.3	2.8	1.1	4.0	0.0	1.9	3.5	2.8	4.5	4.4	5.5	4.5	1.6	3.6
Median years from baccalaureate to Ph.D.															
Total time in years.....	9.3	7.9	6.4	9.0	6.2	8.2	7.0	8.2	9.1	13.0	10.0	18.6	13.0	12.6	
Registered time.....	7.0	6.6	6.0	7.2	5.9	7.3	6.0	7.0	6.6	7.2	7.4	7.8	7.2	7.6	7.3

See explanatory information, if any, and SOURCE at end of table.

Table B-1. Statistical profile of doctorate recipients from Canada, by major field of doctorate: 1983-96

Page 2 of 3

Item	Total All Fields	Total Science and Engineering	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.														
Number with permanent visas	1,079	591	64	21	15	21	78	154	13	225	488	181	161	53
U.S. total: percent.....	75.4	78.0	81.3	81.0	73.3	90.5	80.8	81.8	61.5	73.3	72.1	75.7	65.2	83.0
Study.....	27.1	41.9	59.6	76.5	9.1	5.3	20.6	79.4	37.5	18.8	7.7	5.8	6.7	27.3
Employment.....	71.1	56.8	40.4	23.5	90.9	94.7	76.2	20.6	62.5	78.8	89.8	88.3	92.4	72.7
Unknown.....	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.6	5.8	1.0	0.0
Non-U.S.	16.1	13.7	17.2	4.8	26.7	9.5	11.5	11.7	23.1	14.7	19.1	17.1	21.7	15.1
Unknown location.....	8.5	8.3	1.6	14.3	0.0	0.0	7.7	6.5	15.4	12.0	8.8	7.2	13.0	1.9
Number with temporary visas	3,077	1,796	258	69	110	55	293	359	94	558	1,281	456	416	138
U.S. total: percent.....	38.4	47.9	62.4	39.1	49.1	58.2	52.2	54.9	30.9	37.3	24.9	31.8	14.2	26.1
Study.....	42.3	51.9	75.2	63.0	46.3	28.1	27.5	81.2	58.6	26.9	16.3	19.3	16.9	33.3
Employment.....	56.6	47.2	23.6	37.0	50.0	71.9	71.9	17.8	41.4	72.6	82.1	80.0	79.7	66.7
Unknown.....	1.1	0.9	1.2	0.0	3.7	0.0	0.7	1.0	0.0	0.5	1.6	0.5	0.7	3.4
Non-U.S.	53.6	44.4	31.8	56.5	40.9	36.4	38.9	38.4	62.8	53.9	66.5	55.9	77.6	66.7
Unknown location.....	8.0	7.6	5.8	4.3	10.0	5.5	8.9	6.7	6.4	8.8	8.6	12.3	8.2	7.2
Number planning location in the United States after Ph.D.	1,993	1,322	213	44	65	51	216	323	37	373	671	282	164	80
Percent with definite postdoctoral study.....	28.7	39.6	60.6	54.5	32.3	17.6	18.1	67.2	40.5	18.5	7.3	7.4	6.1	20.0
Percent with definite employment.....	45.8	38.1	21.6	22.7	43.1	60.8	54.6	13.9	35.1	57.1	60.8	58.5	59.1	45.0
Percent seeking postdoctoral study.....	7.4	8.9	10.8	13.6	7.7	2.0	7.4	13.3	13.5	4.8	4.5	5.3	4.3	10.0
Percent seeking employment.....	16.8	12.4	6.1	9.1	13.8	19.6	18.5	5.0	10.8	18.2	25.3	25.5	28.7	25.0
Percent with postdoctoral plans unknown.....	33	1.4	1.1	0.9	0.0	3.1	0.0	1.4	0.6	0.0	1.3	2.1	3.2	1.8

See explanatory information, if any, and SOURCE at end of table.

Table B-1. Statistical profile of doctorate recipients from Canada, by major field of doctorate: 1988-96

Item	Total All Fields	Total Science and Engineering	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	912	504	46	10	28	31	118	45	13	213	408	165	97	36
Primary work activity: percent														110
R&D.....	37.6	51.0	73.9	30.0	25.0	74.2	71.2	44.4	76.9	35.7	21.1	9.7	8.2	33.3
Teaching.....	36.8	23.2	15.2	30.0	39.3	19.4	12.7	26.7	15.4	28.6	53.7	75.2	43.3	38.9
Administrative.....	3.7	1.8	0.0	0.0	0.0	0.0	0.0	3.4	2.2	0.0	1.9	6.1	0.6	14.4
Professional services.....	10.1	12.9	2.2	40.0	21.4	0.0	6.8	11.1	7.7	18.8	6.6	1.2	18.6	8.3
Other.....	2.5	2.0	2.2	0.0	0.0	0.0	3.4	4.4	0.0	1.4	3.2	4.8	3.1	0.0
Unknown.....	9.2	9.1	6.5	0.0	14.3	6.5	2.5	11.1	0.0	13.6	9.3	8.5	12.4	5.6
Type of employer: percent														9.1
Educational institution ³	66.7	51.0	26.1	40.0	82.1	54.3	26.3	51.1	30.8	67.1	86.0	92.1	79.4	72.2
Industry/business.....	23.1	37.9	67.4	60.0	17.9	38.7	71.2	31.1	69.2	14.1	4.9	4.2	4.1	5.6
Government.....	2.2	3.0	2.2	0.0	0.0	6.5	1.7	6.7	0.0	3.3	1.2	0.0	2.1	2.8
Nonprofit.....	6.6	6.4	4.3	0.0	0.0	0.0	0.8	11.1	0.0	11.3	6.9	2.4	14.4	16.7
Other and unknown.....	1.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	1.0	1.2	0.0	0.9

¹This table includes all citizens of Canada who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.²In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.³Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-2. Statistical profile of doctorate recipients from China, by major field of doctorate: 1988-96

Page 1 of 3

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s¹	17,905	16,550	4,278	622	1,354	421	4,377	3,899	543	1,056	1,355	391	385	281	298
Percent men.....	76.9	77.6	77.4	83.0	84.6	85.5	85.0	83.8	75.5	68.6	71.9	54.3	74.0	77.9	77.9
Percent women.....	23.1	22.5	22.7	17.0	15.4	14.5	15.0	35.0	16.2	24.5	31.4	45.7	26.0	22.1	22.1
Percent with permanent visa.....	37.8	37.3	33.5	39.7	30.3	37.3	35.6	44.6	28.9	43.9	44.1	51.7	40.3	44.1	38.9
Percent with temporary visa.....	62.2	62.7	66.5	60.3	69.7	62.7	64.4	55.4	71.1	56.1	55.9	48.3	59.7	55.9	61.1
Percent married.....	78.5	78.5	75.2	83.6	77.6	80.0	80.7	78.6	87.3	75.9	77.6	74.2	79.7	82.9	74.2
Percent not married.....	16.2	16.3	19.7	11.4	16.7	15.2	13.9	16.5	8.3	18.6	14.8	18.9	11.9	11.4	16.1
Percent unknown.....	5.4	5.2	5.1	5.0	5.7	4.8	5.4	4.9	4.4	5.6	7.7	6.9	8.3	5.7	9.7
Median age at Ph.D. in years.....	32.7	32.4	31.5	33.3	32.1	32.4	32.9	32.1	33.4	35.3	37.3	39.0	38.2	34.0	36.3
Percent with dependents.....	61.5	61.1	55.2	68.7	65.1	62.7	65.7	57.4	79.0	61.1	65.8	62.7	72.7	65.1	61.4
Percent receiving sources of support ²															
Personal.....	23.4	21.6	13.5	23.5	15.9	30.2	28.0	18.7	26.9	38.9	44.9	46.8	54.5	34.2	40.3
Foreign government.....	5.6	5.6	3.6	7.2	2.4	12.4	8.5	3.3	18.2	4.1	5.9	4.6	8.3	6.4	4.0
University.....	95.5	95.7	96.3	96.6	96.1	95.0	95.8	94.3	95.2	93.4	96.4	94.0	90.7	91.3	
Teaching assistant.....	57.5	57.1	78.2	36.7	90.6	66.0	47.3	38.7	9.8	70.9	61.2	81.1	50.4	34.5	74.2
Research assistant.....	80.2	82.5	88.9	91.8	56.2	80.5	90.3	78.6	91.2	63.9	51.5	23.0	56.6	79.4	56.0
Other university.....	21.3	20.4	16.9	17.2	26.4	19.7	15.2	26.1	9.8	35.3	31.4	44.5	26.8	19.2	31.9
Other.....	6.5	6.1	3.1	6.6	3.8	10.0	5.7	6.8	7.2	17.7	11.0	15.6	6.8	10.0	11.4
Unknown.....	3.3	3.2	3.3	2.4	3.3	3.6	3.5	3.2	2.4	2.8	3.8	2.0	2.6	5.3	6.4
Median years from baccalaureate to Ph.D.	3.6	9.8	9.1	10.6	9.6	9.8	10.3	9.3	10.8	11.4	12.1	11.9	10.3	10.8	
Total time in years.....	6.9	6.9	6.8	7.8	7.1	7.1	6.8	6.5	7.5	7.4	8.4	6.9	6.8	7.3	
Registered time.....															

See explanatory information, if any, and SOURCE at end of table.

Table B-2. Statistical profile of doctorate recipients from China, by major field of doctorate: 1988-96

Page 2 of 3

Item	Total All Fields	Science and Engineering	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.														
Number with permanent visas														
U.S. total: percent.....	6,766	6,169	1,434	247	410	157	1,560	1,740	157	464	597	202	155	124
Study.....	93.9	94.2	92.8	97.6	96.3	95.5	94.0	95.7	91.7	89.4	91.6	90.1	93.5	94.4
Employment.....	49.0	51.9	58.8	56.0	22.8	7.3	25.7	86.7	61.1	20.5	13.2	7.6	52.1	4.9
Unknown.....	47.3	44.4	37.0	39.8	70.4	86.7	69.6	12.0	34.7	74.9	77.7	82.4	89.0	43.6
Non-U.S.....	3.8	4.1	4.1	4.1	6.8	6.0	4.7	1.3	4.2	4.6	3.8	4.4	3.4	4.3
Unknown location.....	2.4	2.2	2.9	0.8	1.0	0.6	1.4	1.2	4.5	7.8	5.2	5.4	5.8	1.6
Number with temporary visas														
U.S. total: percent.....	11,139	10,381	2,844	375	944	264	2,817	2,159	386	592	758	189	230	157
Study.....	79.7	80.3	80.3	78.7	77.5	76.9	78.5	88.0	74.6	71.8	71.9	66.7	73.0	80.9
Employment.....	60.3	62.6	77.5	75.3	36.5	18.2	38.1	91.4	79.9	26.8	25.3	11.1	21.4	60.6
Unknown.....	37.2	35.1	20.3	23.4	59.6	79.8	58.5	7.9	18.4	69.7	70.5	83.3	76.2	36.2
Non-U.S.....	2.5	2.4	2.2	1.4	4.0	2.0	3.4	0.8	1.7	3.5	4.2	5.6	2.4	3.2
Unknown location.....	6.6	6.2	5.8	7.2	7.4	8.3	5.3	3.4	12.7	15.0	12.5	18.5	11.7	6.4
Number planning location in the United States after Ph.D.														
Percent with definite postdoctoral study.....	15,237	14,145	3,615	536	1,127	353	3,678	3,564	432	840	1,092	308	313	244
Percent with definite employment.....	34.2	36.0	44.8	35.4	17.3	8.2	15.7	62.2	35.6	11.9	11.7	3.9	4.8	38.1
Percent seeking postdoctoral study.....	21.4	20.1	13.6	15.7	35.5	53.0	30.9	5.3	11.1	36.7	37.6	41.9	32.3	23.0
Percent seeking employment.....	21.4	22.2	25.8	31.2	14.4	5.4	17.4	27.0	38.0	11.8	10.2	8.4	10.2	18.4
Percent with postdoctoral plans unknown.....	20.1	18.8	12.9	15.1	27.9	29.7	32.0	4.5	12.7	35.6	36.5	40.9	49.8	16.8
	3.0	2.9	2.9	2.6	5.0	3.7	3.9	1.0	2.5	4.1	4.0	4.9	2.9	3.7

See explanatory information, if any, and SOURCE at end of table.

Table B-2. Statistical profile of doctorate recipients from China, by major field of doctorate: 1988-96

Item	Total All Fields	Total Science and Engineering	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	3,255	2,844	491	84	400	187	1,138	188	48	308	411	129	101	56
Primary work activity: percent														125
R&D.....	61.2	65.6	73.9	59.5	44.0	66.3	74.8	73.9	66.7	42.5	30.4	9.3	27.7	75.0
Teaching.....	16.5	12.1	4.1	2.4	31.5	15.5	5.0	2.7	12.5	32.5	46.5	69.8	41.6	8.9
Administrative.....	1.1	0.8	0.4	4.8	0.0	0.0	0.4	1.6	0.0	2.0	3.2	0.8	5.9	1.8
Professional services.....	6.3	6.5	5.9	15.5	5.3	2.1	7.0	9.0	8.3	5.5	5.1	2.3	6.9	8.9
Other.....	2.0	2.1	2.0	1.2	1.8	0.5	2.4	3.2	0.0	2.6	1.5	1.6	2.0	0.0
Unknown.....	12.9	12.9	13.7	16.7	16.8	15.5	10.5	9.6	12.5	14.9	13.4	16.3	15.8	5.4
Type of employer: percent														12.0
Educational institution ³	36.3	30.7	12.8	19.0	70.3	35.8	14.3	46.8	33.3	58.4	74.9	93.0	75.2	77.6
Industry/business.....	55.3	61.1	79.8	61.9	26.0	60.4	80.2	34.6	52.1	24.0	15.3	5.4	6.9	42.9
Government.....	3.0	2.9	2.9	9.5	0.3	0.0	2.2	4.8	4.2	7.1	4.4	0.0	9.9	12.5
Nonprofit.....	3.1	2.9	2.0	6.0	1.8	1.6	1.6	12.2	8.3	4.2	4.1	0.8	6.9	14.3
Other and unknown.....	2.2	2.4	4.4	3.6	1.8	2.1	1.7	1.6	2.1	6.2	1.2	0.8	1.0	3.6

¹This table includes all citizens of China who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.²In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.³Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-3. Statistical profile of doctorate recipients from Eastern Europe¹, by major field of doctorate: 1988-96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s ²	1,546	1,354	306	36	318	64	356	138	25	111	192	127	18	8	39
Percent men.....	74.3	77.7	82.0	77.8	81.4	85.9	84.6	61.6	60.0	52.3	50.5	44.1	50.0	75.0	66.7
Percent women.....	25.7	22.3	18.0	22.2	18.6	14.1	15.4	38.4	40.0	47.7	49.5	55.9	50.0	25.0	33.3
Percent with permanent visa.....	22.6	20.5	19.0	30.6	14.5	32.8	20.5	25.4	12.0	27.0	38.0	40.2	44.4	50.0	25.6
Percent with temporary visa.....	77.4	79.5	81.0	69.4	85.5	67.2	79.5	74.6	88.0	73.0	62.0	59.8	55.6	50.0	74.4
Percent married.....	59.6	59.7	60.1	66.7	56.0	64.1	61.5	55.8	56.0	64.0	58.9	55.9	83.3	62.5	56.4
Percent not married.....	33.8	34.1	35.6	25.0	35.5	34.4	32.6	36.2	40.0	29.7	31.8	35.4	11.1	12.5	33.3
Percent unknown.....	6.6	6.2	4.2	8.3	8.5	1.6	5.9	8.0	4.0	6.3	9.4	8.7	5.6	25.0	10.3
Median age at Ph.D. in years.....	32.1	31.8	30.9	33.3	30.8	32.1	32.6	31.7	32.3	33.0	34.7	34.2	36.3	38.0	36.8
Percent with dependents.....	46.4	46.6	48.4	52.8	44.0	45.3	51.1	35.5	60.0	44.1	45.3	37.8	72.2	75.0	51.3
Percent receiving sources of support ³															
Personal.....	41.3	37.7	27.8	55.6	27.0	53.1	44.9	37.0	48.0	55.9	67.2	69.3	66.7	62.5	61.5
Foreign government.....	1.3	1.3	1.0	0.0	0.9	1.6	1.1	2.9	8.0	0.9	1.0	0.0	0.0	0.0	5.1
University.....	94.8	95.6	97.4	91.7	96.9	100.0	95.2	89.9	100.0	92.8	89.1	90.6	88.9	87.5	84.6
Teaching assistant.....	67.0	66.5	79.7	33.3	89.0	65.6	49.4	44.9	8.0	71.2	70.8	77.2	55.6	50.0	61.5
Research assistant.....	66.6	72.3	86.6	80.6	46.5	87.5	86.0	68.1	100.0	50.5	26.6	19.7	44.4	37.5	38.5
Other university.....	26.8	24.5	19.3	30.6	32.7	21.9	17.4	20.3	12.0	45.0	43.8	45.7	16.7	50.0	48.7
Other.....	13.0	12.7	4.6	27.8	13.5	17.2	12.4	13.0	24.0	23.4	15.1	15.0	5.6	12.5	20.5
Unknown.....	3.8	3.3	2.3	5.6	2.8	0.0	3.4	5.8	0.0	6.3	6.8	6.3	5.6	12.5	7.7
Median years from baccalaureate to Ph.D.															
Total time in years.....	8.2	8.0	7.2	8.5	7.2	8.0	8.5	8.1	9.3	9.9	10.3	9.5	13.5	0.0	12.0
Registered time.....	5.8	5.6	5.5	5.5	5.2	6.4	5.5	6.2	5.3	6.2	6.9	7.0	6.8	0.0	6.6

See explanatory information, if any, and SOURCE at end of table.

Table B-3 Statistical profile of doctoral recipients from European universities, 1988-96

Page 2 of 3

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas	350	277	58	11	46	21	73	35	3	30	73	51	8	4	10
U.S. total: percent.....	86.3	85.2	89.7	100.0	80.4	85.7	83.6	94.3	D	76.7	90.4	96.1	87.5	D	70.0
Study.....	37.8	46.6	73.1	45.5	40.5	27.8	21.3	78.8	D	30.4	6.1	2.0	28.6	D	0.0
Employment.....	58.6	50.0	25.0	27.3	56.8	72.2	77.0	21.2	D	60.9	89.4	91.8	71.4	D	100.0
Unknown.....	3.6	3.4	1.9	27.3	2.7	0.0	1.6	0.0	D	8.7	4.5	6.1	0.0	D	0.0
Non-U.S.....	5.7	6.1	3.4	0.0	6.5	9.5	5.5	2.9	D	10.0	4.1	0.0	12.5	D	20.0
Unknown location.....	8.0	8.7	6.9	0.0	13.0	4.8	11.0	2.9	D	13.3	5.5	3.9	0.0	D	10.0
Number with temporary visas	1,196	1,077	248	25	272	43	283	103	22	81	119	76	10	4	29
U.S. total: percent.....	68.0	69.2	71.4	68.0	66.9	74.4	67.8	79.6	66.2	59.3	57.1	59.2	70.0	D	48.3
Study.....	56.1	58.8	80.8	64.7	49.5	28.1	50.0	87.8	66.7	14.6	26.5	24.4	28.6	D	28.6
Employment.....	42.6	40.0	19.2	35.3	49.5	71.9	49.0	11.0	33.3	77.1	70.6	71.1	71.4	D	71.4
Unknown.....	1.4	1.2	0.0	0.0	1.1	0.0	1.0	1.2	0.0	8.3	2.9	4.4	0.0	D	0.0
Non-U.S.....	22.3	21.7	22.6	28.0	22.4	20.9	20.1	13.6	27.3	29.6	27.7	26.3	10.0	D	34.5
Unknown location.....	9.7	9.1	6.0	4.0	10.7	4.7	12.0	6.8	4.5	11.1	15.1	14.5	20.0	D	17.2
Number planning location in the United States after Ph.D.															
Percent with definite postdoctoral study.....	36.1	39.6	59.4	32.1	33.8	22.0	27.7	61.7	37.5	15.5	10.4	8.5	28.6	D	4.8
Percent with definite employment.....	31.9	30.0	16.2	21.4	36.1	58.0	35.6	9.6	18.8	54.9	46.3	44.7	50.0	D	57.1
Percent seeking postdoctoral study.....	15.1	16.3	19.7	25.0	14.2	6.0	15.4	23.5	31.3	4.2	6.0	4.3	0.0	D	14.3
Percent seeking employment.....	15.0	12.4	4.4	10.7	14.6	14.0	20.2	4.3	12.5	16.9	33.6	37.2	21.4	D	23.8
Percent with postdoctoral plans unknown.....	2.0	1.7	0.4	10.7	1.4	0.0	1.2	0.9	0.0	8.5	3.7	5.3	0.0	D	0.0

See explanatory information, if any, and SOURCE at end of table.

Table B-3. Statistical profile of doctorate recipients from Eastern Europe¹, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields	Page 3 of 3
Number with definite employment plans in United States after Ph.D.	356	294	37	6	79	29	90	11	3	39	62	42	7	1	12	
Primary work activity: percent																
R&D.....	54.5	62.9	75.7	66.7	48.1	79.3	73.3	54.5	D	43.6	14.5	11.9	28.6	D	8.3	
Teaching.....	30.1	22.5	10.8	0.0	35.4	13.8	12.2	27.3	D	41.0	66.1	73.8	57.1	D	50.0	
Administrative.....	0.6	0.3	2.7	0.0	0.0	0.0	0.0	0.0	D	0.0	1.6	0.0	0.0	D	8.3	
Professional services.....	3.9	4.1	5.4	16.7	1.3	0.0	6.7	18.2	D	0.0	3.2	0.0	14.3	D	8.3	
Other.....	2.8	3.1	2.7	16.7	1.3	0.0	4.4	0.0	D	5.1	1.6	0.0	0.0	D	8.3	
Unknown.....	8.2	7.1	2.7	0.0	13.9	6.9	3.3	0.0	D	10.3	12.9	14.3	0.0	D	16.7	
Type of employer: percent																
Educational institution ⁴	58.7	51.7	18.9	33.3	84.8	58.6	25.6	45.5	D	76.9	91.9	92.9	100.0	D	83.3	
Industry/business.....	35.4	41.8	73.0	50.0	15.2	37.9	68.9	36.4	D	7.7	4.8	4.8	0.0	D	8.3	
Government.....	2.3	2.4	2.7	16.7	0.0	0.0	4.4	0.0	D	2.6	1.6	0.0	0.0	D	8.3	
Nonprofit.....	2.5	2.7	5.4	0.0	0.0	3.4	1.1	18.2	D	2.6	1.6	2.4	0.0	D	0.0	
Other and unknown.....	1.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	D	10.3	0.0	0.0	0.0	D	0.0	

D = data withheld to avoid potential disclosure of confidential information.

¹ Includes Albania, Bulgaria, Czechoslovakia, Czech Republic, Slovakia, Hungary, Poland, Romania, U.S.S.R., Russia, Armenia, Azerbaijan, Belarus, Estonia, Georgia, Kazakhstan, Kyrgyzstan, Latvia, Moldova, Tajikistan, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia, Bosnia-Herzegovina, Croatia, Macedonia, Serbia-Montenegro, Slovenia, and unspecified Eastern European countries.² This table includes all citizens of Eastern European countries who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.³ In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.⁴ Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B.4.

Statistical profile of doctorate recipients from France, by major field of doctorate: 1988-96

Page 1 of 3

Item	Total All Fields	Total Science and Engineering	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields	
Total Number of Ph.D.s¹	951	653	144	27	29	30	224	77	25	97	298	241	16	14	27
Percent men	62.6	76.1	70.1	85.2	79.3	80.0	87.9	55.8	80.0	68.0	32.9	28.2	31.3	57.1	63.0
Percent women	37.4	23.9	29.9	14.8	20.7	20.0	12.1	44.2	20.0	32.0	67.1	71.8	68.8	42.9	37.0
Percent with permanent visa	29.5	19.6	12.5	18.5	17.2	26.7	15.2	23.4	20.0	36.1	51.3	54.8	62.5	14.3	33.3
Percent with temporary visa	70.5	80.4	87.5	81.5	82.8	73.3	84.8	76.6	80.0	63.9	48.7	45.2	37.5	85.7	66.7
Percent married	42.3	38.6	23.6	40.7	41.4	43.3	39.3	41.6	48.0	51.5	50.3	49.8	37.5	50.0	63.0
Percent not married	52.9	56.7	71.5	48.1	55.2	43.3	57.6	55.8	48.0	42.3	44.6	44.8	56.3	42.9	37.0
Percent unknown	4.8	4.7	4.9	11.1	3.4	13.3	3.1	2.6	4.0	6.2	5.0	5.4	6.3	7.1	0.0
Median age at Ph.D. in years	30.1	28.9	28.2	30.2	29.2	30.7	28.2	30.2	30.3	32.3	33.6	33.8	36.0	30.5	30.6
Percent with dependents	36	27.7	25.1	11.8	40.7	34.5	30.0	25.4	23.4	20.0	38.1	33.2	31.1	43.8	42.9
Percent receiving sources of support ²	36														
Personal	60.8	53.0	46.5	40.7	51.7	66.7	49.6	54.5	72.0	63.9	77.9	75.0	85.7	92.6	
Foreign government	10.2	13.0	10.4	11.1	13.8	10.0	17.0	9.1	12.0	12.4	4.0	2.9	0.0	21.4	7.4
University	89.6	88.4	88.9	88.9	93.1	83.3	92.9	88.3	68.0	82.5	92.3	93.4	68.8	92.9	96.3
Teaching assistant	61.5	52.7	66.7	37.0	72.4	46.7	44.2	46.8	16.0	66.0	80.9	88.4	37.5	50.0	55.6
Research assistant	55.0	71.1	74.3	77.8	37.9	70.0	86.2	71.4	60.0	42.3	19.8	11.6	31.3	71.4	59.3
Other university	23.3	18.8	14.6	25.9	17.2	26.7	10.3	18.2	12.0	43.3	33.2	34.9	25.0	28.6	25.9
Other	18.0	19.9	16.7	25.9	34.5	30.0	14.3	22.1	20.0	26.8	13.8	12.4	18.8	21.4	18.5
Unknown	3.3	3.8	4.9	7.4	3.4	3.3	1.8	2.6	8.0	6.2	2.0	2.1	0.0	7.1	0.0
Median years from baccalaureate to Ph.D.	43														
Total time in years	7.4	6.3	5.9	6.9	6.4	7.5	5.3	7.0	7.3	9.5	10.3	12.5	7.5	8.4	
Registered time	6.2	5.5	5.4	4.8	6.4	6.5	4.8	6.0	5.8	7.6	8.0	8.0	8.6	4.5	6.9

See explanatory information, if any, and SOURCE at end of table.

Table B-4. Statistical profile of doctorate recipients from France, by major field of doctorate: 1988-96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas															
U.S. total: percent.....	281	128	18	5	5	8	34	18	5	35	153	132	10	2	9
Study.....	75.8	70.3	61.1	D	D	87.5	79.4	77.8	D	65.7	80.4	81.1	80.0	D	66.7
Employment.....	21.1	38.9	72.7	D	D	28.6	25.9	78.6	D	21.7	8.1	5.6	12.5	D	16.7
Unknown.....	77.0	61.1	27.3	D	D	71.4	74.1	21.4	D	78.3	88.6	91.6	75.0	D	83.3
Non-U.S.....	1.9	0.0	0.0	D	D	0.0	0.0	0.0	D	0.0	3.3	2.8	12.5	D	0.0
Unknown location.....	11.4	20.3	27.8	D	D	0.0	17.6	11.1	D	22.9	3.9	3.0	0.0	D	22.2
Number with temporary visas															
U.S. total: percent.....	40.7	35.2	31.7	31.8	29.2	45.5	35.8	39.0	35.0	20	62	145	109	6	12
Study.....	37.7	49.7	65.0	57.1	28.6	20.0	44.1	82.6	57.1	21.7	12.5	10.1	20.0	33.3	55.6
Employment.....	60.8	48.1	30.0	28.6	71.4	80.0	54.4	17.4	42.9	78.3	87.5	89.9	80.0	25.0	100.0
Unknown.....	1.5	2.2	5.0	14.3	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Non-U.S.....	45.1	50.1	55.6	59.1	45.8	45.5	46.3	49.2	50.0	51.6	26.9	22.9	16.7	41.7	44.4
Unknown location.....	14.2	14.7	12.7	9.1	25.0	9.1	17.9	11.9	15.0	11.3	12.4	13.8	0.0	25.0	0.0
Number planning location in the United States after Ph.D.															
Percent with definite postdoctoral study.....	486	275	51	10	10	17	95	37	9	46	211	176	13	6	16
Percent with definite employment.....	19.3	30.9	52.9	40.0	20.0	23.5	22.1	54.1	22.2	10.9	4.3	2.8	0.0	50.0	6.3
Percent seeking postdoctoral study.....	46.9	34.9	15.7	30.0	60.0	58.8	36.8	8.1	33.3	60.9	62.6	63.6	46.2	16.7	81.3
Percent seeking employment.....	11.1	15.3	13.7	10.0	10.0	0.0	16.8	27.0	22.2	10.9	5.7	4.5	15.4	33.3	0.0
Percent with postdoctoral plans unknown.....	21.0	17.5	13.7	10.0	10.0	17.6	23.2	10.8	22.2	17.4	25.6	27.3	30.8	0.0	12.5
	1.6	1.5	3.9	10.0	0.0	0.0	1.1	0.0	0.0	0.0	1.9	1.7	7.7	0.0	0.0

See explanatory information, if any, and SOURCE at end of table.

Table B-4. Statistical profile of doctorate recipients from France, by major field of doctorate: 1988-96

Page 3 of 3

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	228	96	8	3	6	10	35	3	3	28	132	112	6	1	13
Primary work activity: percent															
R&D.....	35.1	63.5	75.0	D	50.0	60.0	82.9	D	D	42.9	14.4	10.7	1.0	D	46.2
Teaching.....	50.4	24.0	25.0	D	16.7	30.0	8.6	D	D	46.4	69.7	75.0	66.7	D	30.8
Administrative.....	0.9	1.0	0.0	D	0.0	0.0	0.0	D	D	0.0	0.8	0.0	16.7	D	0.0
Professional services.....	3.1	6.3	0.0	D	0.0	10.0	2.9	D	D	7.1	0.8	0.0	0.0	D	7.7
Other.....	1.8	1.0	0.0	D	0.0	0.0	2.9	D	D	0.0	2.3	2.7	0.0	D	0.0
Unknown.....	8.8	4.2	0.0	D	33.3	0.0	2.9	D	D	3.6	12.1	11.6	16.7	D	15.4
Type of employer: percent															
Educational institution ³	71.5	41.7	25.0	D	83.3	50.0	17.1	D	D	71.4	93.2	94.6	83.3	D	92.3
Industry/business.....	21.1	45.8	75.0	D	16.7	40.0	74.3	D	D	7.1	3.0	1.8	1.0	D	7.7
Government.....	3.9	7.3	0.0	D	0.0	10.0	5.7	D	D	10.7	1.5	1.8	0.0	D	0.0
Nonprofit.....	1.3	2.1	0.0	D	0.0	0.0	2.9	D	D	0.0	0.8	0.9	0.0	D	0.0
Other and unknown.....	2.2	3.1	0.0	D	0.0	0.0	0.0	D	D	10.7	1.5	0.9	16.7	D	0.0

D = data withheld to avoid potential disclosure of confidential information.

¹This table includes all citizens of France who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.²In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.³Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-5. Statistical profile of doctorate recipients from Germany,¹ by major field of doctorate: 1990-96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s²	1,283	287	69	123	76	174	220	27	307	562	428	45	24	65	
Percent men.....	65.6	74.4	88.2	91.3	75.6	84.2	93.7	58.2	70.4	55.7	45.6	43.5	40.0	41.7	64.6
Percent women.....	34.4	25.6	11.8	8.7	24.4	15.8	6.3	41.8	29.6	44.3	54.4	56.5	60.0	58.3	35.4
Percent with permanent visa.....	33.2	28.0	21.6	18.8	16.3	22.4	23.6	35.9	37.0	38.1	45.0	45.6	60.0	25.0	38.5
Percent with temporary visa.....	66.8	72.0	78.4	81.2	83.7	77.6	76.4	64.1	63.0	61.9	55.0	54.4	40.0	75.0	61.5
Percent married.....	39.2	37.1	27.9	39.1	35.8	38.2	39.1	39.5	44.4	42.0	44.1	45.3	40.0	37.5	41.5
Percent not married.....	55.1	57.8	68.3	56.5	59.4	55.3	57.5	54.1	48.1	52.1	48.8	48.4	51.1	50.0	49.2
Percent unknown.....	5.7	5.1	3.8	4.3	4.9	6.6	3.4	6.4	7.4	5.9	7.1	6.3	8.9	12.5	9.2
Median age at 39	31.5	30.8	29.8	32.1	29.7	30.4	30.4	31.5	32.0	31.6	33.6	33.6	38.0	35.8	32.1
Percent with dependents.....	22.4	20.4	13.6	17.4	15.4	27.6	23.0	24.5	22.2	23.1	27.0	25.2	31.1	33.3	33.8
Percent receiving sources of support ³															
Personal.....	66.3	60.5	47.7	66.7	59.4	56.6	59.8	57.3	59.3	75.2	79.5	79.2	86.7	75.0	78.5
Foreign government.....	13.4	13.8	11.2	21.7	19.5	14.5	9.2	10.5	14.8	16.9	12.5	11.4	6.7	37.5	13.8
University.....	91.7	93.1	95.5	94.2	97.6	86.8	95.4	93.2	92.6	89.3	88.4	92.1	71.1	75.0	81.5
Teaching assistant.....	65.0	59.6	64.5	56.5	90.2	55.3	36.8	47.7	22.2	69.1	77.4	84.8	46.7	41.7	63.1
Research assistant.....	57.9	71.4	86.4	82.6	48.0	75.0	89.1	70.5	85.2	52.8	27.2	21.7	37.8	41.7	50.8
Other university.....	30.0	26.3	17.1	30.4	28.5	19.7	10.3	29.1	40.7	40.4	38.4	41.8	26.7	25.0	29.2
Other.....	19.1	20.3	16.0	14.5	17.1	28.9	23.0	22.7	11.1	22.2	16.4	16.8	11.1	20.8	15.4
Unknown.....	3.1	3.1	4.3	1.6	3.9	2.3	2.7	7.4	3.6	3.2	2.1	6.7	4.2	7.7	
Median years from baccalaureate to Ph.D.															
Total time in years.....	7.1	6.7	6.3	7.1	6.4	6.9	6.1	6.9	7.6	7.0	9.3	9.3	11.9	8.0	8.0
Registered time.....	6.4	6.1	5.9	6.1	5.9	6.0	5.2	6.3	6.6	6.3	7.8	7.9	8.2	5.2	6.5

See explanatory information, if any, and SOURCE at end of table.

Table B-5. Statistical profile of doctorate recipients from Germany¹, by major field of doctorate: 1988-96

Page 2 of 3

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas	612	359	62	13	20	17	41	79	10	117	253	195	27	6	25
U.S. total: percent.....	81.1	79.4	71.0	84.6	85.0	94.1	70.7	82.3	70.0	82.1	83.4	85.1	85.2	83.3	68.0
Study.....	26.2	39.0	52.3	36.4	23.5	25.0	13.8	78.5	57.1	17.7	9.0	7.2	8.7	40.0	17.6
Employment.....	70.4	59.0	40.9	63.6	70.6	86.2	20.0	42.9	81.3	85.8	86.7	87.0	87.0	60.0	82.4
Unknown.....	3.4	2.1	6.8	0.0	5.9	0.0	0.0	1.5	0.0	1.0	5.2	6.0	4.3	0.0	0.0
Non-U.S.....	9.6	12.8	22.6	7.7	15.0	0.0	24.4	10.1	20.0	6.8	5.1	3.6	3.7	16.7	16.0
Unknown location.....	9.3	7.8	6.5	7.7	0.0	5.9	4.9	7.6	10.0	11.1	11.5	11.3	11.1	0.0	16.0
Number with temporary visas	1,233	924	225	56	103	59	133	141	17	190	309	233	18	18	40
U.S. total: percent.....	47.8	46.4	43.1	42.9	42.7	57.6	48.9	50.4	47.1	45.3	51.8	57.9	38.9	50.0	22.5
Study.....	46.5	59.0	87.6	75.0	29.5	29.4	44.6	97.2	75.0	26.7	13.1	12.6	14.3	33.3	0.0
Employment.....	52.0	39.6	11.3	20.8	68.2	70.6	53.8	2.8	25.0	70.9	85.0	85.2	85.7	66.7	100.0
Unknown.....	1.5	1.4	1.0	4.2	2.3	0.0	1.5	0.0	0.0	2.3	1.9	2.2	0.0	0.0	0.0
Non-U.S.....	41.8	43.2	46.2	50.0	43.7	23.7	39.9	42.6	41.2	46.3	37.5	33.0	33.3	44.4	.62.5
Unknown location.....	10.5	10.4	10.7	7.1	13.6	18.6	11.3	7.1	11.8	8.4	10.7	9.0	27.8	5.6	15.0
Number planning location in the United States after Ph.D.															
Percent with definite postdoctoral study.....	1,085	714	141	35	61	50	94	136	15	182	371	301	30	14	26
Percent with definite employment.....	28.2	39.9	64.5	45.7	23.0	24.0	20.2	70.6	46.7	16.5	5.7	4.7	10.0	14.3	7.7
Percent seeking postdoctoral study.....	40.1	32.9	12.1	20.0	54.1	48.0	38.3	6.6	26.7	57.7	53.9	53.2	46.7	42.9	76.9
Percent seeking employment.....	9.0	11.1	12.1	17.1	4.9	4.0	14.9	17.6	20.0	5.5	5.1	5.0	0.0	21.4	3.8
Percent with postdoctoral plans unknown.....	20.3	14.4	8.5	14.3	14.8	24.0	25.5	4.4	6.7	18.7	31.5	32.9	40.0	21.4	11.5
Percent with postdoctoral plans unknown.....	2.4	1.7	2.8	2.9	3.3	0.0	1.1	0.7	0.0	1.6	3.8	4.3	3.3	0.0	0.0

See explanatory information, if any, and SOURCE at end of table.

Table B-5. Statistical profile of doctorate recipients from Germany¹, by major field of doctorate: 1988-96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	435	235	17	7	33	24	36	9	4	105	200	160	14	6	20
R&D.....	38.9	55.3	76.5	71.4	42.4	62.5	77.8	33.3	D	46.7	19.5	14.4	7.1	83.3	50.0
Teaching.....	44.6	27.2	5.9	0.0	54.5	29.2	8.3	33.3	D	29.5	65.0	69.4	71.4	16.7	40.0
Administrative.....	1.8	1.7	5.9	0.0	0.0	0.0	0.0	0.0	D	1.9	2.0	1.3	14.3	0.0	0.0
Professional services.....	4.8	7.7	0.0	14.3	3.0	4.2	11.1	11.1	D	9.5	1.5	1.3	7.1	0.0	0.0
Other.....	1.4	2.1	0.0	0.0	0.0	0.0	2.8	0.0	D	3.8	0.5	0.6	0.0	0.0	0.0
Unknown.....	8.5	6.0	11.8	14.3	0.0	4.2	0.0	11.1	D	8.6	11.5	13.1	0.0	0.0	10.0
Type of employer, percent															
Educational institution ⁴	76.3	60.9	17.6	14.3	33.9	70.8	25.0	55.6	D	72.4	94.5	95.6	100.0	66.7	90.0
Industry/business.....	16.3	28.1	76.5	85.7	6.1	29.2	66.7	44.4	D	8.6	2.5	1.3	0.0	16.7	10.0
Government.....	2.5	3.8	5.9	0.0	0.0	0.0	5.6	0.0	D	4.8	1.0	1.3	0.0	0.0	0.0
Nonprofit.....	1.8	3.0	0.0	0.0	0.0	0.0	2.8	0.0	D	4.8	0.5	0.0	0.0	16.7	0.0
Other and unknown.....	3.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	D	9.5	1.5	1.9	0.0	0.0	0.0

D = data withheld to avoid potential disclosure of confidential information.

¹ Includes East Germany, West Germany, and the united Germany.² This table includes all citizens of Germany who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.³ In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.⁴ Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-6. Statistical profile of doctorate recipients from Greece, by major field of doctorate: 1988-96

Page 1 of 3

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Mathematics	Earth, Atmospheric, and Ocean Sciences	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s¹	1,499	1,343	241	19	107	86	546	108	29	207	156	57	29	20	50
Percent men	80.1	82.9	85.5	78.9	86.9	87.2	88.1	72.2	86.2	67.6	55.8	35.1	51.7	55.0	82.0
Percent women	20.0	17.1	14.5	21.1	13.1	12.8	11.9	27.8	13.8	32.4	44.2	64.9	48.3	45.0	18.0
Percent with permanent visa	16.7	15.2	15.4	21.1	12.2	4.7	11.7	17.6	10.3	29.0	30.1	29.8	34.5	15.0	34.0
Percent with temporary visa	83.3	84.8	84.6	78.9	87.9	95.3	88.3	82.4	89.7	71.0	69.9	70.2	65.5	85.0	66.0
Percent married	36.0	35.6	31.5	52.6	31.8	22.1	35.3	34.3	62.1	44.0	39.1	43.9	37.9	30.0	38.0
Percent not married	57.8	58.6	62.2	47.4	61.7	66.3	59.0	63.9	34.5	50.2	51.3	49.1	62.1	45.0	50.0
Percent unknown	6.2	5.8	6.2	0.0	6.5	11.6	5.7	1.9	3.4	5.8	9.6	7.0	0.0	25.0	12.0
Median age at Ph.D. in years ⁴²	29.7	29.5	29.2	30.9	29.0	29.2	29.1	30.4	30.7	31.2	31.5	31.5	32.3	29.8	31.4
Percent with dependents	19.9	19.4	17.4	31.6	14.0	10.5	20.9	16.7	44.8	20.8	24.4	21.1	31.0	10.0	30.0
Percent receiving sources of support ²															
Personal	54.5	53.8	43.6	52.6	41.1	53.5	51.8	53.7	58.6	77.3	60.3	57.9	79.3	40.0	60.0
Foreign government	2.9	2.8	0.8	0.0	0.9	0.0	2.7	3.7	17.2	5.3	3.2	1.8	10.3	0.0	2.0
University	94.3	95.7	95.9	89.5	98.1	94.2	96.7	97.2	93.1	92.3	82.7	86.0	79.3	85.0	80.0
Teaching assistant	64.2	64.5	76.3	36.8	91.6	73.3	57.1	45.4	17.2	71.5	62.2	73.7	55.2	65.0	52.0
Research assistant	73.5	77.4	87.1	89.5	60.7	82.6	86.6	76.9	93.1	44.9	40.4	17.5	55.2	50.0	54.0
Other university	24.6	23.5	14.9	10.5	32.7	18.6	20.7	26.9	17.2	38.6	33.3	47.4	20.7	35.0	24.0
Other	11.2	10.4	6.6	21.1	7.5	10.5	9.3	15.7	10.3	15.0	18.6	21.1	20.7	10.0	18.0
Unknown	3.5	3.0	4.1	5.3	1.9	4.7	3.1	0.9	3.4	1.9	8.3	12.3	0.0	15.0	6.0
Median years from baccalaureate to Ph.D. ⁴³	6.7	6.5	5.8	5.9	7.6	5.7	6.1	6.4	5.9	7.8	8.0	8.4	9.1	7.7	8.4
Total time in years ⁴⁴	5.9	5.8	5.9	7.6	5.7	5.8	5.4	6.2	5.9	6.8	7.0	7.0	7.0	6.3	7.3
Registered time ⁴⁵															

See explanatory information, if any, and SOURCE at end of table.

Table B-6. Statistical profile of doctorate recipients from Greece, by major field of doctorate: 1988-96

Page 2 of 3

Item:	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas															
U.S. total: percent.....	251	204	37	4	13	4	64	19	3	60	47	17	10	3	17
Study.....	74.1	76.0	64.9	D	76.9	D	78.1	73.7	D	80.0	66.0	76.5	40.0	D	76.5
Employment.....	64.5	59.4	29.2	D	60.0	D	26.0	64.3	D	29.2	6.5	15.4	0.0	D	0.0
Unknown.....	2.2	1.9	4.2	D	0.0	D	74.0	28.6	D	68.8	90.3	76.9	100.0	D	100.0
Non-U.S.....	12.0	10.8	18.9	D	15.4	D	0.0	7.1	D	2.1	3.2	7.7	0.0	D	0.0
Unknown location.....	13.9	13.2	16.2	D	7.7	D	14.1	5.3	D	5.0	17.0	0.0	40.0	D	17.6
Number with temporary visas	1,248	1,139	204	15	94	82	482	89	26	147	109	40	19	17	33
U.S. total: percent.....	47.8	48.7	45.6	40.0	51.1	56.1	50.4	59.6	26.9	40.1	38.5	35.0	36.8	41.2	42.4
Study.....	46.2	47.8	81.7	66.7	35.4	30.4	36.2	92.5	71.4	20.3	26.2	21.4	28.6	14.3	35.7
Employment.....	52.1	50.6	17.2	33.3	60.4	67.4	62.6	7.5	28.6	76.3	71.4	71.4	71.4	85.7	64.3
Unknown.....	1.7	1.6	1.1	0.0	4.2	2.2	1.2	0.0	0.0	3.4	2.4	7.1	0.0	0.0	0.0
Non-U.S.....	37.5	36.3	36.3	40.0	39.4	36.6	30.5	32.6	65.4	49.7	50.5	45.0	52.6	52.9	54.5
Unknown location.....	14.7	15.0	18.1	20.0	9.6	7.3	19.1	7.9	7.7	10.2	11.0	20.0	10.5	5.9	3.0
Number planning location in the United States after Ph.D.															
Percent with definite postdoctoral study.....	783	710	117	8	58	50	293	67	10	107	73	27	11	8	27
Percent with definite employment.....	30.0	32.0	60.7	25.0	29.3	22.0	20.5	62.7	60.0	16.8	11.0	18.5	9.1	12.5	3.7
Percent seeking postdoctoral study.....	38.8	37.6	13.7	50.0	43.1	48.0	47.1	10.4	10.0	48.6	50.7	55.6	27.3	50.0	55.6
Percent seeking employment.....	13.2	13.8	17.9	25.0	10.3	8.0	14.0	23.9	0.0	7.5	6.8	0.0	9.1	0.0	14.8
Percent with postdoctoral plans unknown.....	16.2	14.9	6.0	0.0	13.8	20.0	17.4	1.5	30.0	24.3	28.8	18.5	54.5	37.5	25.9
	1.8	1.7	1.7	0.0	3.4	2.0	1.0	1.5	0.0	2.8	2.7	7.4	0.0	0.0	0.0

See explanatory information, if any, and SOURCE at end of table.

Table B-6. Statistical profile of doctorate recipients from Greece, by major field of doctorate: 1988-96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	304	267	16	4	25	24	138	7	1	52	37	15	3	4	15
Primary work activity: percent															
R&D.....	53.6	57.3	62.5	D	40.0	70.8	65.2	85.7	D	28.8	27.0	13.3	D	D	33.3
Teaching.....	29.0	27.0	0.0	D	40.0	25.0	21.0	14.3	D	50.0	43.2	53.3	D	D	40.0
Administrative.....	0.7	0.8	0.0	D	0.0	0.0	0.0	0.0	D	3.8	0.0	0.0	D	D	0.0
Professional services.....	5.3	4.9	25.0	D	4.0	0.0	3.6	0.0	D	5.8	8.1	6.7	D	D	13.3
Other.....	1.6	1.5	0.0	D	0.0	4.2	0.7	0.0	D	3.8	2.7	6.7	D	D	0.0
Unknown.....	9.9	8.6	12.5	D	16.0	0.0	9.4	0.0	D	7.7	18.9	20.0	D	D	13.3
Type of employer: percent															
Educational institution ³	58.2	55.4	6.3	D	88.0	50.0	46.4	85.7	D	78.8	78.4	86.7	D	D	73.3
Industry/business.....	37.8	41.2	93.8	D	12.0	50.0	50.7	14.3	D	11.5	13.5	6.7	D	D	13.3
Government.....	1.0	1.1	0.0	D	0.0	0.0	1.4	0.0	D	1.9	0.0	0.0	D	D	0.0
Nonprofit.....	1.0	0.4	0.0	D	0.0	0.0	0.7	0.0	D	0.0	5.4	6.7	D	D	6.7
Other and unknown.....	2.0	1.9	0.0	D	0.0	0.0	0.7	0.0	D	7.7	2.7	0.0	D	D	6.7

D = data withheld to avoid potential disclosure of confidential information.

¹This table includes all citizens of Greece who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.²In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.³Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B.7. Statistical profile of doctorate recipients from India, by major field of doctorate: 1983-96

Page 1 of 3

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s¹	9,537	7,843	1,069	94	261	747	3,700	971	176	825	1,694	229	154	267	1,044
Percent men.....	80.0	81.9	77.4	83.0	69.7	93.0	95.2	53.3	79.5	56.1	71.4	37.6	36.4	70.4	84.2
Percent women.....	20.0	18.1	22.6	17.0	30.3	7.0	4.8	46.7	20.5	43.9	28.6	62.4	63.6	29.6	15.8
Percent with permanent visa.....	17.2	15.8	15.4	16.0	17.2	14.6	12.5	24.2	14.2	21.5	24.1	32.8	35.1	18.0	22.1
Percent with temporary visa.....	82.8	84.3	84.6	84.0	82.8	85.4	87.5	75.8	85.8	78.5	75.9	67.2	64.9	82.0	77.9
Percent married.....	51.0	49.6	48.4	57.4	44.4	49.1	48.0	52.5	63.6	53.3	57.6	50.2	66.9	47.6	60.3
Percent not married.....	41.7	43.3	43.8	39.4	48.7	44.8	45.4	40.3	28.4	37.9	34.2	38.9	26.6	41.9	32.3
Percent unknown.....	7.3	7.1	7.9	3.2	6.9	6.0	6.7	7.2	8.0	8.7	8.3	10.9	6.5	10.5	7.4
Median age at Ph.D. in years.....	30.0	29.7	29.8	31.4	29.5	29.3	29.2	30.2	32.0	31.4	32.1	33.7	37.5	30.0	32.2
Percent with dependents.....	37.0	35.7	31.4	44.7	25.3	39.2	38.4	30.8	55.1	29.9	43.0	24.5	45.5	34.1	49.0
Percent receiving sources of support ²															
Personal.....	34.2	30.4	19.0	39.4	20.3	27.6	29.2	33.8	39.8	49.2	51.6	53.7	70.1	43.8	50.4
Foreign government.....	0.9	0.8	0.0	3.2	0.4	0.8	0.7	0.8	3.4	2.2	1.0	1.3	3.9	0.7	0.6
University.....	94.2	94.7	95.5	93.6	95.8	96.1	94.7	95.3	89.2	92.4	92.0	93.9	81.2	90.3	93.6
Teaching assistant.....	65.4	64.3	81.1	52.1	90.4	80.6	56.3	54.1	24.4	77.0	70.5	83.0	42.2	63.3	73.9
Research assistant.....	74.4	78.8	82.0	87.2	49.4	83.8	87.5	66.0	80.1	54.1	54.0	16.2	44.2	62.9	61.5
Other university.....	21.6	19.9	13.5	19.1	21.5	20.5	17.0	26.5	13.6	33.5	29.8	40.2	31.2	21.7	29.3
Other.....	8.0	7.8	4.0	10.6	3.8	10.8	6.5	8.7	17.0	13.6	9.1	12.2	14.3	9.0	7.7
Unknown.....	4.1	4.0	4.1	2.1	3.4	2.8	4.2	3.4	3.4	5.1	4.7	3.9	3.9	7.9	4.1
Median years from baccalaureate to Ph.D.	8.4	8.0	9.0	10.6	8.8	7.4	7.2	9.0	10.0	10.3	10.8	11.8	16.9	8.2	10.9
Total time in years.....	6.8	6.7	7.6	8.2	7.6	6.4	6.1	7.4	7.2	8.0	7.3	9.0	7.9	6.8	7.2
Registered time.....															

See explanatory information, if any, and SOURCE at end of table.

Table B-7. Statistical profile of doctorate recipients from India, by major field of doctorate: 1988-96

Page 2 of 3

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas	1,643	1,235	165	15	45	109	464	235	25	177	408	75	54	48	231
U.S. total: percent.....	86.9	87.4	89.1	86.7	91.1	93.6	84.5	88.1	92.0	87.0	85.3	77.3	88.9	85.4	87.0
Study.....	28.8	35.7	50.3	38.5	17.1	7.8	19.6	86.5	43.5	16.2	7.5	10.3	12.5	19.5	3.0
Employment.....	68.1	61.6	44.9	61.5	80.5	89.2	79.1	12.1	56.5	77.3	88.2	86.2	81.3	73.2	93.5
Unknown.....	3.1	2.7	4.8	0.0	2.4	2.9	1.3	1.4	0.0	6.5	4.3	3.4	6.3	7.3	3.5
Non-U.S.	2.9	2.8	1.8	0.0	6.7	2.8	2.4	3.0	0.0	4.5	3.2	2.7	1.9	0.0	4.3
Unknown location.....	10.2	9.8	9.1	13.3	2.2	3.7	13.2	8.9	8.0	8.5	11.5	20.0	9.3	14.6	8.7
Number with temporary visas	7,894.0	6,608.0	904.0	79.0	216.0	638.0	3,236.0	736.0	151.0	648.0	1,296.0	154.0	100.0	219.0	813.0
U.S. total: percent.....	77	78	74	70	71	83	80	86	72	61	75	58	54	79	79
Study.....	38.8	43.9	77.9	65.5	21.6	18.2	33.0	90.7	70.6	15.4	11.7	14.4	18.5	43.0	2.3
Employment.....	59.5	54.6	20.7	32.7	75.8	79.9	65.4	8.2	29.4	83.3	85.6	81.1	77.8	54.1	95.4
Unknown.....	1.7	1.5	1.3	1.8	2.6	1.9	1.6	1.1	0.0	1.3	2.7	4.4	3.7	2.9	2.3
Non-U.S.	12.9	12.4	14.3	20.3	16.2	11.0	9.5	7.6	19.2	26.9	15.6	31.2	27.0	5.9	13.8
Unknown location.....	10.1	10.1	11.5	10.1	13.0	6.4	10.8	6.5	8.6	12.2	9.7	10.4	19.0	15.5	6.9
Number planning location in the United States after Ph.D.															
Percent with definite postdoctoral study.....	25.5	29.5	56.6	36.8	13.9	12.6	19.6	65.9	35.6	9.7	6.3	4.7	4.9	27.2	1.5
Percent with definite employment.....	44.6	39.7	15.3	30.9	51.5	64.9	47.4	6.0	20.5	59.0	67.6	54.1	43.1	39.4	80.0
Percent seeking postdoctoral study.....	11.5	13.0	16.4	23.5	6.7	4.0	11.7	23.7	30.3	6.0	4.2	8.1	10.8	11.3	1.0
Percent seeking employment.....	16.5	16.1	9.8	7.4	25.3	16.5	19.8	3.2	13.6	22.6	18.7	29.1	36.3	18.3	14.9
Percent with postdoctoral plans unknown.....	2.0	1.7	2.0	1.5	2.6	2.1	1.6	1.2	0.0	2.7	3.1	4.1	4.9	3.8	2.6

See explanatory information, if any, and SOURCE at end of table.

Table B-7. Statistical profile of doctorate recipients from India, by major field of doctorate: 1988-96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.															
3,348	2,463	125	21	100	408	1,408	50	27	324	885	80	44	84	84	677
Primary work activity: percent															
R&D.....	59.6	66.3	80.0	38.1	47.0	71.1	72.5	50.0	48.1	40.1	40.8	7.5	18.2	66.7	43.0
Teaching.....	22.8	14.6	7.2	9.5	33.0	18.6	8.9	16.0	3.7	32.4	45.5	81.3	63.6	14.3	44.0
Administrative.....	0.7	0.7	0.8	0.0	2.0	0.2	0.4	2.0	3.7	1.2	0.8	0.0	0.0	2.3	1.2
Professional services.....	5.8	7.0	3.2	19.0	7.0	2.7	7.9	12.0	22.2	7.4	2.3	1.3	2.3	3.6	2.2
Other.....	2.1	2.5	0.0	4.8	1.0	1.0	2.8	0.0	3.7	4.9	0.8	0.0	0.0	4.5	2.4
Unknown.....	9.1	8.9	8.8	28.6	10.0	6.4	7.5	20.0	18.5	13.9	9.8	10.0	9.1	11.9	9.6
Type of employer: percent															
Educational institution ³	44.0	30.2	18.4	33.3	63.0	39.5	17.3	38.0	18.5	68.5	82.3	98.8	81.8	22.6	87.7
Industry/business.....	50.7	63.5	75.2	47.6	35.0	58.6	78.4	48.0	66.7	12.7	14.8	1.3	11.4	72.6	9.5
Government.....	1.8	2.0	3.2	9.5	0.0	1.0	1.5	6.0	3.7	4.6	1.0	0.0	0.0	4.5	2.4
Nonprofit.....	2.0	2.4	2.4	4.8	2.0	1.0	2.0	6.0	3.7	4.9	0.9	0.0	0.0	2.3	2.4
Other and unknown.....	1.6	1.9	0.8	4.8	0.0	0.0	0.0	0.8	2.0	7.4	9.3	1.0	0.0	0.0	1.3

¹This table includes all citizens of India who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.²In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.³Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-8. Statistical profile of doctorate recipients from Italy, by major field of doctorate: 1988-96

Page 1 of 3

Item	Total All Fields	Science and Engineering	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields	
Total Number of Ph.D.s ¹	883	658	119	20	113	28	96	64	10	208	225	182	9	12	22
Percent men	65.1	72.8	80.7	50.0	71.7	82.1	94.8	51.6	80.0	65.9	42.7	38.5	44.4	66.7	63.6
Percent women	34.9	27.2	19.3	50.0	28.3	17.9	5.2	48.4	20.0	34.1	57.3	61.5	55.6	33.3	36.4
Percent with permanent visa	21.6	16.1	10.9	30.0	6.2	14.3	13.5	39.1	0.0	18.3	37.8	39.0	55.6	25.0	27.3
Percent with temporary visa	78.4	83.9	89.1	70.0	93.8	85.7	86.5	60.9	100.0	81.7	62.2	61.0	44.4	75.0	72.7
Percent married	40.2	38.5	33.6	40.0	33.6	32.1	39.6	51.6	60.0	38.9	45.3	44.0	44.4	58.3	50.0
Percent not married	53.8	56.1	60.5	55.0	62.8	60.7	59.4	42.2	20.0	53.8	47.1	48.9	44.4	25.0	45.5
Percent unknown	6.0	5.5	5.9	5.0	3.5	7.1	1.0	6.3	20.0	7.2	7.6	7.1	11.1	16.7	4.5
Median age at Ph.D. in years ²	32.0	31.3	30.5	32.7	30.3	31.0	31.7	31.3	35.7	32.3	35.4	34.9	45.5	37.5	34.3
Percent with dependents	23.6	22.3	16.0	20.0	14.2	28.6	28.1	32.8	60.0	22.1	27.1	24.7	44.4	33.3	36.4
Percent receiving sources of support ²															
Personal	60.1	53.8	45.4	65.0	30.1	42.9	59.4	65.6	40.0	66.3	78.7	78.0	88.9	83.3	77.3
Foreign government	19.4	23.3	10.1	20.0	38.9	14.3	17.7	10.9	60.0	28.4	8.0	7.7	0.0	16.7	9.1
University	90.1	91.3	96.6	100.0	93.8	92.9	96.9	78.1	70.0	88.5	86.7	89.6	55.6	75.0	81.8
Teaching assistant	63.6	61.9	68.1	40.0	84.1	50.0	44.8	37.5	20.0	67.3	68.9	78.0	44.4	16.7	31.8
Research assistant	52.3	62.2	85.7	95.0	50.4	78.6	86.5	56.3	60.0	40.4	23.6	18.1	22.2	58.3	50.0
Other university	31.9	28.3	27.7	20.0	26.5	17.9	11.5	32.8	10.0	38.9	42.7	46.2	33.3	16.7	31.8
Other	22.4	23.4	11.8	20.0	14.2	32.1	11.5	31.3	10.0	38.0	19.6	18.7	33.3	16.7	22.7
Unknown	3.4	2.7	3.4	0.0	4.4	3.6	0.0	3.1	20.0	1.9	5.3	5.5	0.0	16.7	0.0
Median years from baccalaureate to Ph.D.															
Total time in years	7.3	7.0	6.3	7.5	6.1	7.4	6.8	6.9	9.4	7.8	9.7	9.3	16.7	10.8	9.8
Registered time	5.8	5.5	5.1	6.2	4.9	5.4	5.1	5.9	5.0	5.8	7.0	7.0	7.8	7.4	5.7

See explanatory information, if any, and SOURCE at end of table.

Table B-8. Statistical profile of doctorate recipients from Italy, by major field of doctorate: 1988-96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas															
U.S. total: percent.....	191	106	13	6	7	4	13	25	0	38	85	71	5	3	6
Study.....	78.0	74.5	92.3	83.3	42.9	D	53.8	92.0	0.0	68.4	82.4	81.7	D	D	83.3
Employment.....	32.9	45.6	75.0	20.0	66.7	D	14.3	73.9	0.0	23.1	18.6	15.5	D	D	20.0
Unknown.....	65.8	53.2	25.0	80.0	33.3	D	85.7	21.7	0.0	76.9	80.0	82.8	D	D	80.0
Non-U.S.....	1.3	1.3	0.0	0.0	0.0	D	0.0	4.3	0.0	0.0	1.4	1.7	D	D	0.0
Unknown location.....	8.9	11.3	7.7	16.7	28.6	D	23.1	0.0	0.0	13.2	5.9	7.0	D	D	0.0
Number with temporary visas															
U.S. total: percent.....	13.1	14.2	0.0	0.0	28.6	D	23.1	8.0	0.0	18.4	11.8	11.3	D	D	16.7
Study.....	692	552	106	14	106	24	83	39	10	170	140	111	4	9	16
Employment.....	37.9	32.1	42.9	29.2	45.8	38.6	48.7	20.0	43.5	40.0	44.1	D	11.1	D	25.0
Unknown.....	51.7	66.7	71.0	18.2	50.0	78.9	50.0	23.0	17.9	18.4	D	0.0	D	0.0	0.0
Non-U.S.....	54.7	47.8	8.8	33.3	29.0	81.8	50.0	21.1	0.0	77.0	80.4	79.6	D	D	100.0
Unknown location.....	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	1.8	2.0	D	D	0.0
Number planning location in the United States after Ph.D.															
Percent with definite postdoctoral study.....	414	288	46	11	34	14	39	42	2	100	126	107	6	4	9
Percent with definite employment.....	25.1	32.6	63.0	18.2	55.9	14.3	17.9	52.4	D	13.0	7.9	6.5	16.7	D	0.0
Percent seeking postdoctoral study.....	41.3	36.1	13.0	45.5	20.6	78.6	41.0	7.1	D	56.0	53.2	54.2	50.0	D	55.6
Percent seeking employment.....	15.2	17.4	23.9	27.3	14.7	0.0	25.6	23.8	D	10.0	10.3	10.3	0.0	D	11.1
Percent with postdoctoral plans unknown.....	17.4	13.2	0.0	9.1	8.8	7.1	15.4	14.3	D	21.0	27.0	27.1	33.3	D	33.3
	1.0	0.7	0.0	0.0	0.0	0.0	0.0	2.4	D	0.0	1.6	1.9	0.0	D	0.0

See explanatory information, if any, and SOURCE at end of table.

Table B-8. Statistical profile of doctorate recipients from Italy, by major field of doctorate: 1988-96

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Item	Total All Fields	Science and Engineering	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	171	104	6	5	7	11	16	3	0	56	67	58	3	1
Primary work activity: percent														5
R&D.....	40.9	56.7	50.0	D	28.6	81.8	50.0	D	0.0	55.4	16.4	12.1	D	D
Teaching.....	40.4	24.0	33.3	D	42.9	18.2	37.5	D	0.0	17.9	65.7	70.7	D	D
Administrative.....	0.6	0.0	0.0	D	0.0	0.0	0.0	D	0.0	0.0	1.5	0.0	D	D
Professional services.....	2.3	3.8	0.0	D	0.0	0.0	0.0	D	0.0	7.1	0.0	0.0	D	D
Other.....	1.8	2.9	0.0	D	0.0	0.0	6.3	D	0.0	3.6	0.0	0.0	D	D
Unknown.....	14.0	12.5	16.7	D	28.6	0.0	6.3	D	0.0	16.1	16.4	17.2	D	D
Type of employer: percent														
Educational institution ³	77.8	67.3	33.3	D	100.0	63.6	50.0	D	0.0	73.2	94.0	94.8	D	D
Industry/business.....	12.3	19.2	50.0	D	0.0	36.4	50.0	D	0.0	3.6	1.5	1.7	D	D
Government.....	0.6	1.0	0.0	D	0.0	0.0	0.0	D	0.0	1.8	0.0	0.0	D	D
Nonprofit.....	3.5	4.8	16.7	D	0.0	0.0	0.0	D	0.0	7.1	1.5	1.7	D	D
Other and unknown.....	5.8	7.7	0.0	D	0.0	0.0	0.0	D	0.0	14.3	3.0	1.7	D	D

D = data withheld to avoid potential disclosure of confidential information.

¹This table includes all citizens of Italy who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.²In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personas" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.³Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

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Table B-9. Statistical profile of doctorate recipients from Korea¹, by major field of doctorate: 1988-96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s ²	11,294	8,851	1,271	155	377	350	3,377	985	335	2,001	2,443	461	626	152	1,204
Percent men.....	84.4	88.3	86.9	89.7	77.5	90.0	99.0	67.2	86.0	83.6	70.4	53.4	51.1	62.5	87.9
Percent women.....	15.6	11.7	13.1	10.3	22.5	10.0	1.0	32.8	14.0	16.4	29.6	46.6	48.9	37.5	12.1
Percent with permanent visa.....	9.1	8.1	6.9	9.0	7.4	11.1	8.6	9.0	6.9	7.3	12.6	16.7	10.9	11.8	12.0
Percent with temporary visa.....	91.0	91.9	93.2	91.0	92.6	88.9	91.4	91.0	93.1	92.8	87.4	83.3	89.1	88.2	88.0
Percent married.....	82.8	83.8	81.9	87.7	80.4	85.7	86.5	82.2	88.4	80.5	79.2	68.5	77.3	75.0	84.8
Percent not married.....	13.4	12.7	14.8	9.7	15.7	8.9	10.2	15.3	9.9	15.2	15.7	23.9	20.0	18.4	10.1
Percent unknown.....	3.8	3.5	3.3	2.6	4.0	5.4	3.4	2.4	1.8	4.3	5.1	7.6	2.7	6.6	5.2
Median age at Ph.D. in years.....	33.7	33.5	32.8	34.3	33.0	34.3	33.4	33.0	33.3	34.2	34.6	34.6	34.4	33.8	34.8
Percent with dependents.....	77.8	79.2	76.5	79.4	73.2	85.4	84.0	74.2	81.2	74.9	72.7	56.2	69.5	65.8	81.6
Percent receiving sources of support ³															
Personal.....	77.4	74.8	59.2	72.3	66.6	81.1	77.1	66.4	80.0	84.7	87.0	85.0	89.3	73.7	88.3
Foreign government.....	6.4	6.8	3.4	13.5	5.6	10.6	9.8	3.8	6.3	4.5	5.2	2.4	9.1	3.9	4.4
University.....	87.6	90.2	95.4	91.6	92.0	87.7	90.3	95.0	93.1	83.7	78.1	71.4	67.4	85.5	85.3
Teaching assistant.....	47.1	47.9	69.1	29.7	86.7	62.9	36.0	38.8	7.5	57.2	44.3	46.4	27.5	30.3	53.9
Research assistant.....	65.2	71.2	86.9	85.2	35.8	64.0	80.8	79.7	88.4	44.8	43.3	15.2	36.1	65.1	55.1
Other university.....	16.5	14.3	12.6	10.3	14.9	9.7	8.4	21.2	7.2	24.1	24.6	32.5	21.9	12.5	24.4
Other.....	7.2	6.8	3.3	5.8	1.9	6.9	6.8	6.9	4.5	10.5	8.4	10.6	5.8	14.5	8.1
Unknown.....	4.4	4.1	3.6	4.5	5.3	3.4	4.3	2.5	2.4	5.2	5.5	8.5	3.8	6.6	5.1
Median years from baccalaureate to Ph.D.	10.4	10.3	9.7	11.3	10.3	10.8	10.4	9.8	10.5	10.8	11.1	10.8	10.8	11.0	11.0
Total time in years.....	7.3	7.3	7.3	8.3	7.8	7.5	7.0	7.3	6.8	7.7	7.8	8.3	7.1	7.5	7.8
Registered time.....															

See explanatory information, if any, and SOURCE at end of table.

Table B-9. Statistical profile of doctorate recipients from Korea¹, by major field of doctorate: 1988-96

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Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas	1,022	715	87	14	28	39	290	89	23	145	307	77	68	18	144
U.S. total: percent	56.0	61.0	67.8	57.1	60.7	59.0	65.2	77.5	56.5	40.0	44.3	44.2	38.2	55.6	45.8
Study.....	41.6	50.7	84.8	62.5	41.2	17.4	34.4	92.8	76.9	27.6	12.5	5.9	19.2	50.0	7.6
Employment.....	56.1	47.7	15.3	37.5	52.9	78.3	64.0	7.2	23.1	69.0	83.1	88.2	80.8	30.0	89.4
Unknown.....	2.3	1.6	0.0	0.0	5.9	4.3	1.6	0.0	0.0	3.5	4.4	5.9	0.0	20.0	3.0
Non-U.S.....	31.0	25.6	19.5	21.4	28.6	28.2	21.7	11.2	34.8	43.5	43.7	45.5	44.1	38.9	43.1
Unknown location.....	13.0	13.4	12.6	21.4	10.7	12.8	13.1	11.2	8.7	16.6	12.1	10.4	17.6	5.6	11.1
Number with temporary visas	10,272	8,136	1,184	141	349	311	3,087	896	312	1,856	2,136	384	558	134	1,060
U.S. total: percent	31.3	33.9	53.9	31.9	21.8	27.7	30.3	61.0	36.9	17.2	21.3	15.9	10.9	39.6	26.3
Study.....	66.9	73.7	94.7	91.1	53.9	23.3	63.5	96.9	91.3	31.4	25.8	23.0	31.1	92.5	12.5
Employment.....	31.4	25.1	4.7	6.7	42.1	72.1	35.3	2.7	7.8	66.1	69.8	63.9	67.2	5.7	83.9
Unknown.....	1.7	1.2	0.6	2.2	3.9	4.7	1.2	0.4	0.9	2.5	4.4	13.1	1.6	1.9	3.6
Non-U.S.....	56.4	54.1	36.2	54.6	63.0	63.0	32.4	51.3	69.7	65.2	72.1	74.9	51.5	59.3	59.3
Unknown location.....	12.3	12.0	9.9	13.5	15.2	9.3	13.6	6.6	11.9	13.1	13.6	12.0	14.2	9.0	14.4
Number planning location in the United States															
after Ph.D.	3,787	3,197	697	53	93	109	1,124	616	128	377	590	95	87	63	345
Percent with definite postdoctoral study.....	41.6	47.1	68.9	45.3	26.9	10.1	31.7	76.3	59.4	16.7	12.2	6.3	10.3	65.1	4.6
Percent with definite employment.....	20.3	15.6	3.3	7.5	25.8	38.5	21.4	2.1	5.5	37.9	45.9	25.3	35.6	3.2	62.0
Percent seeking postdoctoral study.....	21.5	23.5	25.0	41.5	24.7	11.9	27.0	20.1	30.5	14.1	10.5	10.5	17.2	20.6	7.0
Percent seeking employment.....	14.8	12.6	2.3	3.8	18.3	34.9	18.7	1.1	3.9	28.7	27.0	47.4	35.6	6.3	22.9
Percent with postdoctoral plans unknown.....	1.8	1.3	0.6	1.9	4.3	4.6	1.3	0.3	0.8	2.7	4.4	10.5	1.1	4.8	3.5

See explanatory information, if any, and SOURCE at end of table.

Table B-9. Statistical profile of doctorate recipients from Korea¹, by major field of doctorate: 1988-96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields	
Number with definite employment plans in United States after Ph.D.	768	497	23	4	24	42	241	13	7	143	271	24	31	2	214	
Primary work activity: percent																
R&D.....	51.0	62.6	78.3	D	33.3	61.9	77.2	53.8	100.0	39.2	29.9	4.2	45.2	D	29.9	
Teaching.....	35.6	25.8	4.4	D	58.3	26.2	13.7	15.4	0.0	46.9	53.5	75.0	38.7	D	53.7	
Administrative.....	0.4	0.2	0.0	D	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	3.2	D	0.5
Professional services.....	3.9	3.8	8.7	D	0.0	0.0	4.6	7.7	0.0	2.8	4.1	0.0	6.5	D	4.2	
Other.....	0.9	0.4	4.4	D	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.9	12.5	0.0	D	0.9
Unknown.....	8.2	7.2	4.4	D	8.3	11.9	4.6	23.1	0.0	9.8	10.0	8.3	6.5	D	10.8	
Type of employer: percent																
Educational institution ⁴	63.3	49.9	13.0	D	95.8	47.6	29.1	69.2	42.9	83.2	87.8	83.3	80.6	D	90.2	
Industry/business.....	28.4	41.5	69.6	D	4.2	50.0	63.9	23.1	42.9	4.2	4.4	0.0	9.7	D	3.7	
Government.....	2.6	3.6	13.0	D	0.0	2.4	2.9	7.7	14.3	2.8	0.7	0.0	3.2	D	0.0	
Nonprofit.....	4.0	2.8	0.0	D	0.0	0.0	3.7	0.0	0.0	3.5	6.3	16.7	6.5	D	5.1	
Other and unknown.....	1.7	2.2	4.4	D	0.0	0.0	0.4	0.0	0.0	6.3	0.7	0.0	0.0	D	0.9	

D = Data withheld to avoid potential disclosure of confidential information.

¹Includes all responses for South Korea, North Korea, and unspecified Korean locations.²This table includes all citizens of Korea who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.³In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.⁴Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-10. Statistical profile of doctorate recipients from Mexico, by major field of doctorate: 1983-96

Page 1 of 3

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s¹	1,359	1,126	102	61	68	26	238	230	198	203	233	91	63	41	38
Percent men	80.7	83.3	88.2	93.4	92.6	100.0	92.0	70.9	88.9	70.9	68.2	65.9	58.7	68.3	89.5
Percent women	19.3	16.7	11.8	6.6	7.4	0.0	8.0	29.1	11.1	29.1	31.8	34.1	41.3	31.7	10.5
Percent with permanent visa	18.0	15.7	15.7	19.7	16.2	15.4	13.0	13.9	15.7	19.7	28.8	38.5	23.8	19.5	23.7
Percent with temporary visa	82.1	84.3	84.3	80.3	83.8	84.6	87.0	86.1	84.3	80.3	71.2	61.5	76.2	80.5	76.3
Percent married	65.5	65.9	54.9	63.9	61.8	53.8	70.2	63.9	81.3	57.1	63.5	57.1	65.1	68.3	71.1
Percent not married	30.0	29.6	42.2	29.5	32.4	38.5	26.9	33.0	13.1	36.5	32.2	39.6	30.2	26.8	23.7
Percent unknown	4.5	4.5	2.9	6.6	5.9	7.7	2.9	3.0	5.6	6.4	4.3	3.3	4.8	4.9	5.3
Median age at 54 Ph.D. in years	34.5	34.0	31.8	35.5	32.3	32.5	33.2	33.7	36.0	35.2	36.3	36.2	37.7	34.8	36.2
Percent with dependents	60.6	61.0	52.0	62.3	57.4	50.0	63.4	56.5	81.3	50.2	58.4	52.7	54.0	63.4	73.7
Percent receiving sources of support ²															
Personal	46.9	43.0	40.2	32.8	27.9	50.0	46.6	39.6	38.4	55.7	65.7	78.0	54.0	53.7	68.4
Foreign government	45.0	48.8	31.4	41.0	48.5	57.7	46.6	50.4	70.2	38.4	26.6	11.0	36.5	51.2	21.1
University	77.8	78.4	94.1	73.8	89.7	76.9	85.7	77.4	58.6	80.3	74.7	84.6	58.7	73.2	78.9
Teaching assistant	44.0	42.5	68.6	32.8	70.6	42.3	45.8	34.3	15.2	54.7	51.5	76.9	30.2	22.0	57.9
Research assistant	48.9	52.9	80.4	67.2	30.9	50.0	66.4	50.9	48.0	34.0	29.2	15.4	25.4	63.4	31.6
Other university	22.5	21.5	17.6	18.0	25.0	30.8	17.2	21.7	14.1	34.0	27.5	38.5	23.8	17.1	18.4
Other	21.9	20.9	13.7	18.0	10.3	19.2	14.3	22.2	14.6	41.4	27.0	16.5	34.9	29.3	36.8
Unknown	3.8	3.9	2.9	8.2	2.9	3.8	3.4	3.0	3.5	5.4	3.4	1.1	3.2	4.9	7.9
Median years from baccalaureate to Ph.D.	10.3	9.9	8.6	11.5	8.1	8.9	10.0	9.1	11.8	10.1	12.0	10.0	13.3	12.4	14.0
Total time in years	6.5	6.4	6.8	7.3	6.8	6.4	6.4	6.5	5.8	6.8	7.3	7.0	8.4	7.3	
Registered time															

Table B-10 Statistical profile of doctorate recipients from Mexico, by major field of doctorate: 1988-96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas	244	177	16	12	11	4	31	32	31	40	67	35	15	8	9
U.S. total: percent.....	71.3	68.9	81.3	58.3	81.8	D	67.7	75.0	48.4	75.0	77.6	85.7	73.3	62.5	66.7
Study.....	26.4	34.4	38.5	42.9	44.4	D	33.3	54.2	13.3	26.7	7.7	10.0	9.1	0.0	0.0
Employment.....	70.1	62.3	61.5	57.1	55.6	D	61.9	33.3	86.7	73.3	88.5	83.3	90.9	100.0	100.0
Unknown.....	3.5	3.3	0.0	0.0	0.0	D	4.8	12.5	0.0	0.0	3.8	6.7	0.0	0.0	0.0
Non-U.S.....	18.9	22.0	12.5	33.3	18.2	D	12.9	18.8	48.4	12.5	10.4	8.6	13.3	25.0	0.0
Unknown location.....	9.8	9.0	6.3	8.3	0.0	D	19.4	6.3	3.2	12.5	11.9	5.7	13.3	12.5	33.3
Number with temporary visas	1,115	949	86	49	57	22	207	198	167	163	166	48	33	29	
U.S. total: percent.....	30.9	31.1	55.8	26.5	22.8	50.0	39.1	35.4	12.0	23.9	29.5	37.5	20.8	33.3	24.1
Study.....	54.1	59.7	79.2	69.2	46.2	18.2	46.9	92.9	50.0	20.5	20.4	9.5	20.0	54.5	0.0
Employment.....	44.8	39.0	20.8	23.1	53.8	81.8	53.1	5.7	50.0	74.4	79.6	90.5	80.0	45.5	100.0
Unknown.....	1.2	1.4	0.0	7.7	0.0	0.0	0.0	0.0	1.4	0.0	5.1	0.0	0.0	0.0	0.0
Non-U.S.....	61.2	61.4	40.7	65.3	70.2	40.9	49.3	61.1	77.8	69.9	59.6	55.4	68.8	54.5	58.6
Unknown location.....	8.0	7.5	3.5	8.2	7.0	9.1	11.6	3.5	10.2	6.1	10.8	7.1	10.4	12.1	17.2
Number planning location in the United States after Ph.D.															
Percent with definite postdoctoral study.....	518	417	61	20	22	14	102	94	35	69	101	51	21	16	13
Percent with definite employment.....	28.8	33.8	47.5	35.0	22.7	14.3	23.5	62.8	22.9	10.1	7.9	5.9	9.5	18.8	0.0
Percent seeking postdoctoral study.....	33.8	30.2	14.8	20.0	50.0	42.9	43.1	7.4	34.3	47.8	48.5	54.9	28.6	31.3	76.9
Percent seeking employment.....	16.0	18.5	23.0	25.0	22.7	0.0	20.6	20.2	11.4	13.0	5.9	3.9	4.8	18.8	0.0
Percent with postdoctoral plans unknown.....	19.5	15.6	14.8	15.0	4.5	42.9	11.8	5.3	31.4	26.1	35.6	31.4	57.1	31.3	23.1
Unknown.....	1.9	1.9	0.0	5.0	0.0	0.0	1.0	4.3	0.0	2.9	2.0	3.9	0.0	0.0	0.0

See explanatory information, if any, and SOURCE at end of table.

Table B-10. Statistical profile of doctorate recipients from Mexico, by major field of doctorate: 1988-96

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Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.															
R&D.....	175	126	9	4	11	6	44	7	12	33	49	28	6	5	10
Primary work activity: percent															
R&D.....	45.1	53.2	88.9	D	18.2	100.0	56.8	42.9	83.3	33.3	24.5	14.3	50.0	D	20.0
Teaching.....	35.4	27.0	11.1	D	72.7	0.0	20.5	28.6	0.0	42.4	57.1	60.7	50.0	D	70.0
Administrative.....	2.9	1.6	0.0	D	0.0	0.0	2.3	0.0	0.0	3.0	6.1	10.7	0.0	D	0.0
Professional services.....	5.7	7.9	0.0	D	9.1	0.0	9.1	14.3	8.3	6.1	0.0	0.0	D	0.0	D
Other.....	1.7	2.4	0.0	D	0.0	0.0	2.3	14.3	0.0	3.0	0.0	0.0	D	0.0	D
Unknown.....	9.1	7.9	0.0	D	0.0	0.0	9.1	0.0	8.3	12.1	12.2	14.3	0.0	D	10.0
Type of employer: percent															
Educational institution ³	59.4	49.2	11.1	D	90.9	16.7	43.2	42.9	41.7	66.7	85.7	85.7	100.0	D	90.0
Industry/business.....	29.7	38.9	66.7	D	9.1	83.3	52.3	42.9	50.0	6.1	6.1	7.1	0.0	D	0.0
Government.....	4.0	5.6	11.1	D	0.0	0.0	4.5	0.0	8.3	9.1	0.0	0.0	D	0.0	D
Non-profit.....	1.7	0.8	11.1	D	0.0	0.0	0.0	0.0	0.0	0.0	4.1	3.6	0.0	D	10.0
Other and unknown.....	5.1	5.6	0.0	D	0.0	0.0	14.3	0.0	18.2	4.1	3.6	0.0	D	0.0	D

D = data withheld to avoid potential disclosure of confidential information.

¹ This table includes all citizens of Mexico who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.² In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.³ Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-11. Statistical profile of doctorate recipients from Scandinavia¹, by major field of doctorate: 1988-96

Item	Total All Fields	Total Science and Engineering	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields	
Total Number of Ph.D.s ²	823	612	97	40	44	33	112	92	32	162	211	90	41	22	58
Percent men.....	65.4	69.6	78.4	77.5	90.9	81.8	85.7	55.4	50.0	54.9	53.1	50.0	36.6	27.3	79.3
Percent women.....	34.6	30.4	21.6	22.5	9.1	18.2	14.3	44.6	50.0	45.1	46.9	50.0	63.4	72.7	20.7
Percent with permanent visa.....	24.1	20.6	19.6	5.0	6.8	27.3	13.4	27.2	21.9	28.4	34.1	42.2	29.3	36.4	24.1
Percent with temporary visa.....	75.9	79.4	80.4	95.0	93.2	72.7	86.6	72.8	78.1	71.6	65.9	57.8	70.7	63.6	75.9
Percent married.....	51.3	47.7	44.3	50.0	36.4	45.5	46.4	54.3	65.6	46.3	61.6	54.4	68.3	72.7	63.8
Percent not married.....	42.2	45.8	49.5	45.0	56.8	48.5	50.9	40.2	28.1	43.2	31.8	40.0	26.8	18.2	27.6
Percent unknown.....	6.6	6.5	6.2	5.0	6.8	6.1	2.7	5.4	6.3	10.5	6.6	5.6	4.9	9.1	8.6
Median age at Ph.D. in years.....	32.3	31.7	30.7	33.2	30.0	31.4	31.0	31.5	33.5	33.1	35.3	34.8	38.2	36.4	33.5
Percent with dependents.....	37.3	33.7	25.8	47.5	20.5	15.2	34.8	38.0	46.9	36.4	47.9	40.0	61.0	54.5	48.3
Percent receiving sources of support ³															
Personal.....	61.0	54.9	41.2	50.0	34.1	63.6	51.8	64.1	56.3	64.8	78.7	86.7	80.5	72.7	67.2
Foreign government.....	33.5	34.3	19.6	42.5	38.6	39.4	40.2	31.5	59.4	31.5	31.3	23.3	41.5	22.7	39.7
University.....	84.2	86.1	95.9	90.0	81.8	87.9	91.1	91.3	68.8	77.2	78.7	82.2	75.6	72.7	77.6
Teaching assistant.....	50.2	49.0	64.9	35.0	70.5	57.6	34.8	42.4	15.6	55.6	53.6	68.9	41.5	31.8	46.6
Research assistant.....	56.4	65.7	83.5	82.5	61.4	78.8	83.0	70.7	53.1	37.0	29.4	14.4	29.3	31.8	51.7
Other university.....	28.1	25.5	21.6	22.5	27.3	21.2	16.1	33.7	9.4	34.0	35.5	42.2	22.0	31.8	36.2
Other.....	32.9	31.2	22.7	35.0	26.0	33.3	26.8	31.5	25.0	40.7	37.9	40.0	43.9	36.4	31.0
Unknown.....	4.3	4.9	4.1	7.5	4.5	6.1	2.7	1.1	3.1	8.6	2.4	1.1	4.5	4.5	5.2
Median years from baccalaureate to Ph.D.	8.0	7.5	6.3	9.5	6.0	7.1	6.8	7.6	8.3	8.3	10.2	10.0	13.5	12.0	8.5
Total time in years.....	6.4	6.2	5.8	7.3	5.3	6.4	5.6	6.4	5.9	7.0	6.9	8.2	6.6	7.3	6.0
Registered time....															

See explanatory information, if any, and SOURCE at end of table.

Table B-11. Statistical profile of doctorate recipients from Scandinavia, by major field of doctorate: 1988-96

Item	Total All Fields	Total Science and Engineering	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.														
Number with permanent visas	198	126	19	2	3	9	15	25	7	46	72	38	12	8
U.S. total: percent.....	71.7	75.4	68.4	D	D	88.9	60.0	76.0	85.7	76.1	65.3	73.7	58.3	37.5
Study.....	28.2	37.9	23.1	D	D	12.5	22.2	89.5	16.7	22.9	8.5	7.1	0.0	33.3
Employment.....	68.3	60.0	69.2	D	D	87.5	77.8	10.5	83.3	74.3	85.1	85.7	100.0	66.7
Unknown.....	3.5	2.1	7.7	D	D	0.0	0.0	0.0	0.0	0.0	6.4	7.1	0.0	0.0
Non-U.S.....	18.7	15.1	10.5	D	D	11.1	26.7	24.0	14.3	10.9	25.0	18.4	33.3	50.0
Unknown location.....	9.6	9.5	21.1	D	D	0.0	13.3	0.0	0.0	13.0	9.7	7.9	8.3	12.5
Number with temporary visas	625	486	78	38	41	24	97	67	25	116	139	52	29	14
U.S. total: percent.....	33.8	37.2	50.0	23.7	29.3	54.2	35.1	40.3	12.0	37.9	21.6	25.0	13.8	14.3
Study.....	50.2	57.5	84.6	88.9	58.3	30.8	50.0	92.6	100.0	15.9	6.7	7.7	0.0	50.0
Employment.....	47.9	41.4	12.8	11.1	41.7	69.2	50.0	7.4	0.0	81.8	86.7	76.9	100.0	50.0
Unknown.....	1.9	1.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.3	6.7	15.4	0.0	0.0
Non-U.S.....	55.8	51.9	39.7	63.2	46.3	37.5	51.5	53.7	84.0	53.4	69.8	61.5	75.9	85.7
Unknown location.....	10.4	10.9	10.3	13.2	24.4	8.3	13.4	6.0	4.0	8.6	8.6	13.5	10.3	0.0
58														4.5
Number planning location in the United States after Ph.D.														
Percent with definite postdoctoral study.....	28.6	34.8	53.8	81.8	20.0	9.5	25.6	71.7	33.3	8.9	6.5	4.9	0.0	D
Percent with definite employment.....	40.2	35.9	15.4	9.1	40.0	61.9	46.5	2.2	33.3	59.5	55.8	43.9	63.6	D
Percent seeking postdoctoral study.....	12.7	15.9	15.4	9.1	40.0	14.3	18.6	19.6	11.1	10.1	1.3	2.4	0.0	D
93 Percent seeking employment.....	15.9	12.0	11.5	0.0	0.0	14.3	9.3	6.5	22.2	19.0	29.9	39.0	36.4	D
Percent with postdoctoral plans unknown.....	2.6	1.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0	2.5	6.5	9.8	0.0	D
50														5.0

See explanatory information, if any, and SOURCE at end of table.

Table B-11. Statistical profile of doctorate recipients from Scandinavia¹, by major field of doctorate: 1988-96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.															
Primary work activity: percent	142	99	8	1	6	13	20	1	3	47	43	18	7	2	16
R&D.....	50.7	60.6	87.5	D	83.3	92.3	65.0	D	D	46.8	27.9	22.2	14.3	D	31.3
Teaching.....	30.3	19.2	0.0	D	0.0	0.0	5.0	D	D	36.2	55.8	61.1	42.9	D	62.5
Administrative.....	1.4	1.0	0.0	D	0.0	0.0	0.0	D	D	2.1	2.3	0.0	14.3	D	0.0
Professional services.....	9.2	11.1	12.5	D	0.0	7.7	20.0	D	D	6.4	4.7	5.6	14.3	D	0.0
Other.....	2.1	3.0	0.0	D	0.0	10.0	10.0	D	D	2.1	0.0	0.0	0.0	D	0.0
Unknown.....	6.3	5.1	0.0	D	16.7	0.0	0.0	D	D	6.4	9.3	11.1	14.3	D	6.3
Type of employer: percent															
Educational institution ⁴	64.1	51.5	37.5	D	83.3	15.4	15.0	D	D	76.6	93.0	94.4	100.0	D	100.0
Industry/business.....	24.6	34.3	50.0	D	16.7	84.6	75.0	D	D	4.3	2.3	0.0	0.0	D	0.0
Government.....	4.9	5.1	12.5	D	0.0	0.0	10.0	D	D	2.1	4.7	5.6	0.0	D	0.0
Nonprofit.....	2.8	4.0	0.0	D	0.0	0.0	0.0	D	D	6.4	0.0	0.0	0.0	D	0.0
Other and unknown.....	3.5	5.1	0.0	D	0.0	0.0	0.0	D	D	10.6	0.0	0.0	0.0	D	0.0

D = data withheld to avoid potential disclosure of confidential information.

¹Includes Denmark, Finland, Iceland, Norway, Sweden, and unspecified Northern European countries.²This table includes all citizens of Scandinavian countries who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.³In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.⁴Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-12. Statistical profile of doctorate recipients from Taiwan, by major field of doctorate: 1988-96

Page 1 of 3

Item	Total All Fields	Total Science and Engineering	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields	
Total Number of Ph.D.s ¹	11,705	9,927	1,186	179	376	591	4,987	1,322	384	902	1,778	238	753	264	523
Percent men	78.6	83.4	81.1	88.3	72.6	89.2	95.3	58.6	70.6	62.2	51.9	41.2	45.3	45.8	69.4
Percent women	21.4	16.6	18.9	11.7	27.4	10.8	4.7	41.5	29.4	37.8	48.1	58.8	54.7	54.2	30.6
Percent with permanent visa	14.0	14.0	13.2	12.8	11.4	21.5	13.8	16.3	10.4	10.6	14.2	17.2	9.6	16.3	18.4
Percent with temporary visa	86.0	86.0	86.8	87.2	88.6	78.5	86.2	83.7	89.6	89.4	85.8	82.8	90.4	83.7	81.6
Percent married	69.1	69.4	63.8	72.6	63.0	73.6	72.2	64.5	71.1	66.9	67.1	58.0	69.5	67.0	67.9
Percent not married	26.8	26.6	31.7	32.4	32.0	22.0	24.2	30.9	24.7	28.5	27.7	36.1	27.1	24.2	26.4
Percent unknown	4.2	4.0	4.5	3.4	4.5	4.4	3.6	4.5	4.2	4.7	5.2	5.9	3.5	8.7	5.7
Median age at 20	32.8	32.6	32.3	33.5	32.5	32.6	32.3	32.7	33.5	33.6	34.5	34.8	34.9	34.3	33.9
Ph.D. in years	57.1	57.9	52.1	63.7	53.7	60.2	63.0	48.6	56.8	50.6	52.4	39.9	54.6	50.0	56.2
Percent with dependents															
Percent receiving sources of support ²															
Personal	69.9	68.1	52.3	64.2	61.4	77.3	71.8	58.4	73.4	77.6	80.2	81.9	83.5	71.2	79.0
Foreign government	9.8	8.1	2.2	12.8	2.4	4.7	7.8	11.4	16.7	12.1	19.8	14.3	23.5	23.9	14.9
University	85.3	88.7	94.4	89.4	92.8	89.7	88.4	89.2	84.6	81.6	66.1	76.5	54.2	71.6	75.9
Teaching assistant	44.7	46.3	69.8	26.8	85.6	62.3	40.9	34.0	11.7	55.5	35.8	57.1	23.0	26.1	49.3
Research assistant	68.9	74.6	83.6	86.0	46.5	68.5	79.2	74.5	80.5	48.7	36.8	14.3	30.4	52.3	48.6
Other university	12.8	11.6	9.7	8.4	13.3	10.0	9.5	18.5	7.0	18.1	19.4	33.2	15.8	14.8	20.5
Other	5.4	4.9	3.1	5.6	3.2	5.6	4.5	5.8	5.5	7.4	8.4	16.4	6.4	10.2	6.7
Unknown	3.7	3.5	3.8	2.8	3.2	3.6	3.3	3.7	3.6	4.0	4.7	4.6	2.9	8.0	5.5
Median years from baccalaureate to Ph.D.	10.0	9.9	9.5	10.8	9.9	10.1	9.9	9.6	10.4	10.9	11.5	11.9	11.6	11.1	11.4
Total time in years	6.3	6.3	6.5	7.0	6.5	6.6	6.2	6.7	6.4	7.2	6.4	8.2	5.8	6.4	7.0
Registered time															

See explanatory information, if any, and SOURCE at end of table.

Table B-12. Statistical profile of doctorate recipients from Taiwan, by major field of doctorate: 1988-96

Item	Total All Fields	Total Science and Engineering	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Biological Sciences	Agricultural Sciences	Engineering	Humanities	Non-Science and Engineering	Psychology and Social Sciences	Health Sciences	Education	Professional and Other Fields
Planned location after Ph.D.														
Number with permanent visas	1,643	1,391	157	23	43	127	690	215	40	96	252	41	72	43
U.S. total: percent	72.9	74.4	70.1	73.9	67.4	75.6	72.9	87.4	77.5	63.5	64.7	63.4	58.3	72.1
Study	29.2	32.1	59.1	41.2	20.7	4.2	14.9	81.9	35.5	16.4	11.0	7.7	11.9	25.8
Employment	69.0	66.2	38.2	58.8	79.3	91.7	83.1	18.1	64.5	82.0	86.5	92.3	88.1	71.0
Unknown	1.8	1.7	2.7	0.0	0.0	4.2	2.0	0.0	0.0	1.6	2.5	0.0	0.0	3.2
Non-U.S.	14.9	13.2	14.0	13.0	9.3	11.0	13.6	6.5	17.5	26.0	24.6	22.0	31.9	20.9
Unknown location	12.2	12.4	15.9	13.0	23.3	13.4	13.5	6.1	5.0	10.4	10.7	14.6	9.7	7.0
Number with temporary visas	10,062	8,536	1,029	156	333	464	4,297	1,107	344	806	1,526	197	681	221
U.S. total: percent	39.6	43.4	53.2	39.7	32.1	47.8	42.1	60.0	35.2	21.3	18.2	15.2	12.2	27.6
Study	47.1	49.2	77.9	69.4	23.4	7.2	32.5	91.1	60.3	25.6	19.4	13.3	22.9	42.6
Employment	51.0	49.0	19.9	27.4	75.7	90.1	66.1	7.4	33.9	70.9	78.4	80.0	74.7	55.7
Unknown	1.9	1.9	2.2	3.2	0.9	2.7	1.4	1.5	5.8	3.5	2.2	6.7	2.4	1.6
Non-U.S.	47.1	43.0	30.5	45.5	51.4	37.7	43.5	31.0	52.6	67.6	70.3	75.1	76.5	57.0
Unknown location	13.3	13.6	16.3	14.7	16.5	14.4	14.4	9.0	12.2	11.0	11.5	9.6	11.3	15.4
Number planning location in the United States after Ph.D.														
Percent with definite postdoctoral study	5,179	4,738	657	79	136	318	2,311	852	152	233	441	56	125	92
Percent with definite employment	26.7	28.5	50.2	38.0	11.0	3.5	15.7	62.2	32.2	9.0	7.5	3.6	7.2	21.7
Percent seeking postdoctoral study	30.5	29.2	12.3	20.3	49.3	59.4	37.8	5.6	10.5	40.8	44.2	42.9	23.2	26.1
Percent seeking employment	16.3	17.0	24.5	25.3	11.8	2.8	13.0	26.9	23.0	14.2	8.8	7.1	12.0	15.2
Percent with postdoctoral plans unknown	24.7	23.5	10.7	13.9	27.2	31.1	32.0	4.1	29.6	33.0	37.2	42.9	56.0	34.8
Percent with postdoctoral plans unknown	1.9	1.8	2.3	2.5	0.7	3.1	1.5	1.2	4.6	3.0	2.3	3.6	1.6	2.2

See explanatory information, if any, and SOURCE at end of table.

Table B-12. Statistical profile of doctorate recipients from Taiwan, by major field of doctorate: 1988-96

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Item	Total All Fields	Science and Engineering	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	1,580	1,385	81	16	67	189	873	48	16	95	195	24	29	24
R&D.....	68.2	72.3	74.1	68.8	50.7	75.1	78.0	60.4	81.3	32.6	39.0	8.3	48.3	66.7
Teaching.....	14.9	11.1	8.6	0.0	32.8	12.7	7.1	8.3	0.0	35.8	42.6	75.0	31.0	12.5
Administrative.....	0.8	0.7	0.0	0.0	0.0	1.1	0.5	2.1	0.0	2.1	1.5	4.2	0.0	0.0
Professional services.....	7.2	7.5	6.2	18.8	7.5	3.2	7.8	20.8	12.5	5.3	4.6	0.0	6.9	12.5
Other.....	0.9	1.2	0.0	0.0	0.5	0.7	4.2	0.0	2.1	1.0	0.0	0.0	4.2	0.8
Unknown.....	8.1	7.7	9.9	12.5	9.0	7.4	6.0	4.2	6.3	22.1	11.3	12.5	13.8	4.2
Type of employer: percent														
Educational institution ³	31.3	24.8	14.8	25.0	70.1	25.9	15.7	56.3	6.3	70.5	76.9	79.2	58.6	45.8
Industry/business.....	63.4	70.2	81.5	50.0	22.4	73.0	79.8	31.3	93.8	18.9	14.9	8.3	13.8	45.8
Government.....	2.0	2.1	2.5	12.5	1.5	1.1	2.0	4.2	0.0	3.2	1.5	0.0	3.4	0.0
Nonprofit.....	2.5	2.0	1.2	12.5	4.5	0.0	1.5	8.3	0.0	5.3	6.2	8.3	24.1	8.3
Other and unknown.....	0.8	0.9	0.0	0.0	1.5	0.0	1.0	0.0	0.0	2.1	0.5	4.2	0.0	0.0

¹This table includes all citizens of Taiwan who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.²In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.³Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-13. Statistical profile of doctorate recipients from United Kingdom¹, by major field of doctorate: 1988-96

Item	Total All Fields	Science and Engineering	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s ²	1,808	1,132	214	53	70	23	135	226	33	373	676	406	29	95
Percent men.....	67.5	74.7	87.4	79.2	78.6	82.6	88.1	71.2	63.6	63.8	55.6	54.9	52.1	65.5
Percent women.....	32.5	25.4	12.6	20.8	21.4	17.4	11.9	28.8	36.4	36.2	44.4	45.1	47.9	34.5
Percent with permanent visa.....	42.5	38.8	29.0	35.8	24.3	47.8	37.8	42.9	30.3	45.5	48.8	45.1	56.8	65.5
Percent with temporary visa.....	57.5	61.2	71.0	64.2	75.7	52.2	62.2	57.1	69.7	54.5	51.2	54.9	43.2	34.5
Percent married.....	44.4	40.5	34.1	43.4	25.7	39.1	44.4	43.4	42.4	43.1	50.9	48.0	61.6	34.5
Percent not married.....	49.7	54.0	58.9	52.8	71.4	56.5	51.1	52.7	51.5	50.0	42.6	45.6	32.2	51.7
Percent unknown.....	5.9	5.6	7.0	3.8	2.9	4.3	4.4	4.0	6.1	6.9	6.5	6.4	6.2	13.8
Median age at 63 Ph.D. in years.....	31.2	30.0	28.2	30.8	28.0	32.8	29.0	30.8	32.0	32.0	33.9	32.3	39.5	31.5
Percent with dependents.....	25.2	21.1	15.9	22.6	12.9	21.7	23.7	19.5	30.3	24.6	32.0	25.9	43.8	34.5
Percent receiving sources of support ³														38.9
Personal.....	60.7	51.0	29.0	49.1	40.0	56.5	43.0	46.5	63.6	69.8	76.9	72.4	87.0	69.0
Foreign government.....	2.1	2.5	3.3	0.0	4.3	4.3	4.4	1.3	6.1	1.6	1.5	2.0	0.0	0.0
University.....	90.9	92.4	91.1	96.2	95.7	91.9	93.8	93.9	91.0	88.5	94.3	74.0	75.9	89.5
Teaching assistant.....	67.5	64.7	72.9	60.4	82.9	52.2	46.7	50.9	30.3	75.7	72.2	84.2	50.7	48.3
Research assistant.....	51.7	66.7	76.6	86.8	61.4	69.6	84.4	69.0	84.8	49.7	26.5	18.2	26.7	48.3
Other university.....	37.7	32.8	21.5	30.2	25.7	30.4	22.2	32.3	18.2	46.3	46.0	56.9	26.0	24.1
Other.....	17.2	15.9	7.9	15.1	5.7	4.3	14.8	21.2	19.8	19.4	20.4	15.8	34.5	15.8
Unknown.....	3.1	2.8	5.6	0.0	1.4	4.3	3.7	0.4	0.0	3.2	3.6	3.0	3.4	10.3
Median years from baccalaureate to Ph.D.	8.3	7.4	6.3	7.9	6.0	11.8	6.6	8.0	9.5	9.0	9.9	9.2	13.4	8.3
Total time in years.....	6.4	6.1	5.4	6.4	5.9	6.8	6.0	6.0	6.1	6.8	7.1	7.4	6.9	5.8
Registered time.....														5.9

See explanatory information, if any, and SOURCE at end of table.

Table B-13. Statistical profile of doctorate recipients from United Kingdom, by major field of doctorate: 1988-96

Page 2 of 3

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas	769	439	62	19	17	11	51	97	10	172	330	183	83	19	45
U.S. total: percent.....	82.8	82.5	77.4	73.7	82.4	90.9	88.2	87.6	60.0	81.4	83.3	88.5	75.9	73.7	80.0
Study.....	25.0	38.4	47.9	42.9	21.4	20.0	22.2	81.2	83.3	15.0	7.3	6.8	9.5	7.1	5.6
Employment.....	73.6	60.2	50.0	57.1	78.6	80.0	77.8	18.8	0.0	82.9	91.3	90.7	90.5	92.9	94.4
Unknown.....	1.4	1.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	16.7	2.1	1.5	2.5	0.0	0.0
Non-U.S.....	7.7	8.9	8.1	21.1	17.6	0.0	3.9	5.2	20.0	10.5	6.1	4.9	7.2	5.3	8.9
Unknown location.....	9.5	8.7	14.5	5.3	0.0	9.1	7.8	7.2	20.0	8.1	10.6	6.6	16.9	21.1	11.1
Number with temporary visas	1,039	693	152	34	53	12	84	129	23	206	346	223	63	10	50
U.S. total: percent.....	60.4	60.9	63.2	58.8	62.3	66.7	67.9	66.7	43.5	54.4	59.2	61.9	52.4	70.0	54.0
Study.....	54.3	70.8	65.0	36.4	37.5	42.1	84.9	70.0	25.9	7.3	8.0	3.0	3.0	28.6	3.7
Employment.....	59.3	44.3	25.0	35.0	63.6	62.5	57.9	14.0	30.0	73.2	90.2	89.1	97.0	71.4	92.6
Unknown.....	1.8	1.4	4.2	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.9	2.4	2.9	0.0	3.7
Non-U.S.....	29.2	28.9	32.4	28.3	16.7	20.2	28.7	39.1	33.0	28.9	28.9	27.8	28.6	30.0	34.0
Unknown location.....	10.5	9.8	7.9	8.8	9.4	16.7	11.9	4.7	17.4	12.6	11.3	10.3	19.0	0.0	12.0
Number planning location in the United States after Ph.D.															
Percent with definite postdoctoral study.....	1,264	784	144	34	47	18	102	171	16	252	480	300	96	21	63
Percent with definite employment.....	25.8	38.5	56.9	41.2	25.5	27.8	22.5	70.2	56.3	14.7	5.0	5.0	5.2	9.5	3.2
Percent seeking postdoctoral study.....	47.5	37.4	22.9	32.4	55.3	55.6	48.0	11.1	12.5	56.7	64.0	59.7	68.8	57.1	79.4
Percent seeking employment.....	6.1	8.4	6.3	14.7	6.4	0.0	10.8	12.9	18.8	5.2	2.3	2.3	2.1	4.8	1.6
Percent with postdoctoral plans unknown.....	19.1	14.3	10.4	11.8	12.8	16.7	18.6	5.3	6.3	21.8	26.9	30.3	24.0	28.6	14.3
	1.6	1.4	3.5	0.0	0.0	0.0	0.0	0.0	0.6	6.3	1.6	1.9	2.7	0.0	1.6

See explanatory information, if any, and SOURCE at end of table.

Table B-13. Statistical profile of doctorate recipients from United Kingdom¹, by major field of doctorate: 1988-96

Item	Total All Fields	Total Science and Engineering	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	600	293	33	11	26	10	49	19	2	143	307	179	66	12
Primary work activity: percent														
R&D.....	32.8	47.4	66.7	63.6	38.5	50.0	75.5	31.6	D	35.7	18.9	8.4	24.2	66.7
Teaching.....	44.5	31.4	15.2	18.2	42.3	30.0	10.2	36.8	D	40.6	57.0	68.2	48.5	0.0
Administrative.....	4.2	2.1	0.0	0.0	0.0	10.0	0.0	0.0	D	3.5	6.2	4.5	12.1	0.0
Professional services.....	6.5	8.9	6.1	9.1	11.5	10.0	6.1	15.8	D	9.1	4.2	2.8	4.5	25.0
Other.....	1.8	1.0	3.0	0.0	0.0	0.0	2.0	0.0	D	0.7	2.6	2.2	3.0	0.0
Unknown.....	10.2	9.2	9.1	9.1	7.7	0.0	6.1	15.8	D	10.5	11.1	14.0	7.6	8.3
Type of employer: percent														
Educational institution ⁴	74.2	60.8	18.2	36.4	80.8	60.0	38.8	57.9	D	77.6	87.0	92.2	83.3	16.7
Industry/business.....	16.5	25.6	69.7	45.5	19.2	20.0	57.1	26.3	D	4.2	7.8	4.5	6.1	58.3
Government.....	3.0	5.1	9.1	9.1	0.0	20.0	4.1	5.3	D	3.5	1.0	0.0	3.0	8.3
Nonprofit.....	4.7	5.5	0.0	0.0	0.0	0.0	0.0	10.5	D	9.8	3.9	3.4	7.6	8.3
Other and unknown.....	1.7	3.1	3.0	9.1	0.0	0.0	0.0	0.0	D	4.9	0.3	0.0	0.0	8.3

D = Data withheld to avoid potential disclosure of confidential information.

¹ Includes England, Wales, Scotland, and Northern Ireland.² This table includes all citizens of the United Kingdom who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.³ In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.⁴ Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-14. Statistical profile of doctorate recipients from Western Europe¹, by major field of doctorate: 1988-96

Page 1 of 3

Item	Total All Fields	Total Science and Engineering Fields	Earth, Atmospheric, and Ocean Sciences	Physical Sciences	Mathematics	Computer/Information Sciences	Engineering Sciences	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s²	2,535	1,725	238	76	125	62	337	304	126	457	810	523	97	71	119
Percent men	69.0	76.3	80.7	86.8	79.2	83.9	93.2	67.1	72.2	65.2	53.5	47.2	44.3	62.0	83.2
Percent women	31.0	23.7	19.3	13.2	20.8	16.1	6.8	32.9	27.8	34.8	46.5	52.8	55.7	38.0	16.8
Percent with permanent visa	25.7	21.7	24.0	11.8	12.8	21.0	19.6	31.3	14.3	21.9	34.3	38.1	36.1	26.8	21.0
Percent with temporary visa	74.3	78.3	76.1	88.2	87.2	79.0	80.4	68.8	85.7	78.1	65.7	62.0	63.9	73.2	79.0
Percent married	46.3	45.1	42.0	53.9	39.2	48.4	42.7	49.7	42.9	45.7	48.9	48.8	45.4	62.0	44.5
Percent not married	48.3	50.1	55.5	42.1	56.8	48.4	53.7	44.1	50.0	48.4	44.4	45.1	46.4	31.0	47.9
Percent unknown	5.4	4.8	2.5	3.9	4.0	3.2	3.6	6.3	7.1	5.9	6.7	6.1	8.2	7.0	7.6
Median age at 66	31.3	30.6	29.2	30.7	29.3	30.8	29.7	30.9	31.3	31.7	33.4	33.2	36.7	34.3	32.1
Ph.D. in years	28.5	26.8	18.9	43.4	25.6	24.2	27.0	25.3	35.7	27.1	32.2	29.3	33.0	47.9	35.3
Percent with dependents	31.3	30.6	29.2	30.7	29.3	30.8	29.7	30.9	31.3	31.7	33.4	33.2	36.7	34.3	32.1
Percent receiving sources of support ³	49.6	36.1	38.2	41.6	56.5	46.0	56.3	42.9	60.0	68.5	68.8	77.3	64.8	62.2	62.2
Personal	19.6	22.0	11.8	31.6	28.0	14.5	22.8	13.2	32.5	27.6	14.4	8.6	19.6	35.2	23.5
Foreign government	88.0	88.6	95.8	89.5	96.0	91.9	90.2	84.9	77.0	86.7	91.4	77.3	78.9	78.2	78.2
University	58.2	53.2	76.1	44.7	85.6	54.8	38.3	41.8	13.5	63.0	69.0	82.6	45.4	38.0	47.1
Teaching assistant	55.1	67.4	87.8	77.6	53.6	77.4	81.6	62.2	73.0	48.8	29.0	19.5	35.1	53.5	51.3
Research assistant	28.3	24.9	16.8	19.7	26.4	12.9	19.3	28.3	11.1	37.0	35.4	39.2	26.8	29.6	29.4
Other university	21.9	23.5	15.5	21.1	18.4	35.5	24.3	23.7	15.1	29.5	18.4	14.9	21.6	18.3	31.1
Other	3.7	3.3	1.7	2.6	2.4	1.6	2.7	3.9	3.2	4.6	4.7	4.4	3.1	8.5	5.0
Unknown	7.9	7.4	6.5	6.5	7.8	6.3	8.1	6.9	7.5	8.2	9.4	9.3	12.2	9.1	8.5
Median years from baccalaureate to Ph.D.	6.2	6.0	5.5	5.5	6.5	5.2	6.2	5.4	6.3	5.9	6.7	6.9	7.2	6.8	6.3
Total time in years	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Registered time	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

See explanatory information, if any, and SOURCE at end of table.

Table B-14. Statistical profile of doctorate recipients from Western Europe¹, by major field of doctorate: 1988-96

Item	Total All Fields	Total Science and Engineering	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.														
Number with permanent visas	652	374	57	9	16	13	66	95	18	100	278	199	35	19
U.S. total, percent	81.0	80.0	73.7	100.0	75.0	100.0	77.3	85.3	50.0	82.0	82.4	83.9	74.3	25
Study	27.3	40.5	47.6	55.6	25.0	30.8	29.4	79.0	0.0	12.2	10.0	9.6	7.7	88.0
Employment	69.7	56.5	50.0	44.4	66.7	69.2	66.7	19.8	100.0	82.9	86.9	88.0	88.5	0.0
Unknown	3.0	3.0	2.4	0.0	8.3	0.0	3.9	1.2	0.0	4.9	3.1	2.4	3.8	57.1
Non-U.S.	9.8	11.2	14.0	0.0	12.5	0.0	13.6	9.5	27.8	9.0	7.9	6.5	8.6	95.5
Unknown location	9.2	8.8	12.3	0.0	12.5	0.0	9.1	5.3	22.2	9.0	9.7	9.5	17.1	4.5
Number with temporary visas	1,883	1,351	181	67	109	49	271	209	108	357	532	324	62	94
U.S. total, percent	43.1	42.3	47.0	32.8	37.6	55.1	41.3	52.2	37.0	37.8	45.1	53.7	33.9	25.5
Study	44.4	55.7	81.2	77.3	61.0	33.3	40.2	91.7	72.5	17.8	17.5	14.4	23.8	0.0
Employment	54.5	43.4	16.5	22.7	39.0	66.7	59.8	8.3	27.5	80.0	80.8	83.9	71.4	8.3
Unknown	1.1	0.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.2	1.7	1.7	4.8	91.7
Non-U.S.	48.0	48.6	44.2	53.7	56.9	32.7	47.2	38.8	52.8	54.9	46.4	36.7	61.3	0.0
Unknown location	9.0	9.2	8.8	13.4	5.5	12.2	11.4	9.1	10.2	7.3	8.5	9.6	4.8	66.0
Number planning location in the United States after Ph.D.														
Percent with definite postdoctoral study	28.8	39.7	58.3	48.4	45.3	27.5	26.4	68.4	36.7	13.8	8.7	7.0	10.6	4.3
Percent with definite employment	44.6	35.6	15.7	25.8	35.8	57.5	44.8	8.9	22.4	64.1	61.2	61.9	63.8	73.9
Percent seeking postdoctoral study	8.8	10.8	11.8	22.6	7.5	5.0	10.4	17.9	22.4	1.8	5.1	5.0	4.3	0.0
Percent seeking employment	15.9	12.3	11.8	3.2	9.4	10.0	17.2	4.2	18.4	17.1	22.6	24.0	17.0	19.6
Percent with postdoctoral plans unknown	1.9	1.6	2.4	0.0	1.9	0.0	1.2	0.5	0.0	3.2	2.3	2.1	4.3	2.2

See explanatory information, if any, and SOURCE at end of table.

Table B-14. Statistical profile of doctorate recipients from Western Europe¹, by major field of doctorate: 1988-96

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Item	Total All Fields	Total Science and Engineering	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	597	310	20	8	19	23	73	17	11	139	287	211	30	12
Primary work activity: percent														
R&D.....	41.0	62.3	75.0	62.5	52.6	52.2	78.1	58.8	63.6	55.4	18.1	11.4	16.7	44.1
Teaching.....	42.9	22.3	100	25.0	47.4	21.7	8.2	29.4	27.3	26.6	65.2	73.9	43.3	47.1
Administrative.....	0.8	0.7	0.0	0.0	0.0	0.0	0.0	5.9	0.0	0.7	1.0	0.0	10.0	0.0
Professional services.....	4.5	5.8	5.0	12.5	0.0	8.7	5.5	0.0	9.1	6.5	3.1	2.4	10.0	0.0
Other.....	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.4	0.9	0.0	2.9
Unknown.....	9.4	7.7	10.0	0.0	0.0	17.4	8.2	5.9	0.0	7.9	11.2	11.4	20.0	8.3
Type of employer: percent														
Educational institution ⁴	72.2	54.5	15.0	75.0	78.9	43.5	26.0	35.3	45.5	75.5	91.3	95.7	73.3	58.3
Industry/business.....	19.3	33.9	85.0	25.0	21.1	52.2	65.8	41.2	45.5	7.2	3.5	0.9	13.3	8.3
Government.....	2.5	3.6	0.0	0.0	0.0	0.0	6.8	11.8	0.0	2.9	1.4	0.5	3.3	16.7
Nonprofit.....	3.0	3.9	0.0	0.0	0.0	4.3	1.4	11.8	9.1	5.0	2.1	1.9	3.3	8.3
Other and unknown.....	3.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	1.7	0.9	6.7	8.3

¹Includes Andorra, Belgium, Gibraltar, Luxembourg, Monaco, the Netherlands, Portugal, Spain, Switzerland, the Republic of Ireland, Austria, Liechtenstein, Malta, and unspecified Western European countries.²This table includes all citizens of Western European countries who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.³In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.⁴Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-15. Statistical profile of doctorate recipients from Canada, by year of Ph.D.: 1975, 1980, 1985-96

Page 1 of 2

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s¹	482	301	287	295	317	353	363	410	511	509	486	490	524	501
Percent men.....	82.8	76.4	71.1	69.5	69.1	67.1	70.8	65.9	64.8	66.4	58.4	62.4	58.4	61.9
Percent women.....	17.2	23.6	28.9	30.5	30.9	32.9	29.2	34.1	35.2	33.6	41.6	37.6	41.6	38.1
Percent with permanent visa.....	16.8	19.6	22.3	27.1	23.7	27.5	26.7	25.1	28.4	25.5	26.1	22.0	28.4	24.2
Percent with temporary visa.....	83.2	80.4	77.7	72.9	76.3	72.5	73.3	74.9	71.6	74.5	73.9	78.0	71.6	75.8
Percent married.....	68.1	57.8	50.2	56.3	51.4	54.4	49.0	50.6	48.7	51.3	46.5	49.0	45.2	48.9
Percent not married.....	30.1	41.5	47.4	40.7	45.1	43.6	48.5	45.3	42.3	43.2	45.7	45.7	46.2	44.9
Percent unknown.....	1.9	0.7	2.4	3.1	3.5	2.0	2.5	4.1	9.0	5.5	7.8	5.3	8.6	6.2
Median age at Ph.D. in years ²	29.4	29.5	29.5	30.5	30.1	30.6	30.8	30.5	30.8	30.8	30.7	30.9	31.3	31.3
Percent with dependents.....	39.8	37.5	36.2	39.3	38.5	38.2	33.1	33.7	32.1	34.0	29.6	30.6	30.5	30.7
Percent receiving sources of support: percent ^{2,3}														
Personal.....	50.5	46.8	61.7	58.4	59.7	65.5	65.9	61.7	59.3	59.2	64.2	55.6	57.7	63.8
Foreign government.....	0.0	0.0	0.0	0.0	27.6	38.4	35.5	35.2	30.0	28.9	28.1	31.6	29.6	35.1
University.....	87.9	83.3	87.0	84.3	80.1	83.3	89.5	87.0	84.5	90.8	90.5	89.5	87.2	90.2
Teaching assistant.....	52.0	46.8	44.8	48.3	43.1	49.3	50.9	51.0	45.5	60.2	57.5	53.5	44.9	62.0
Research assistant.....	53.7	55.1	61.7	55.6	60.2	58.1	62.7	64.0	64.6	67.8	70.9	62.5	63.9	72.1
Other university.....	41.6	31.4	37.0	29.8	22.1	27.1	32.7	21.3	20.9	22.0	30.2	28.4	28.5	44.2
Other.....	42.7	54.5	42.9	49.4	22.7	16.7	15.9	13.8	14.5	18.1	21.8	20.0	17.5	16.7
Unknown.....	1.4	0.0	3.2	2.8	7.2	3.4	2.7	3.6	6.1	2.0	2.5	1.5	4.4	3.3
Median years from baccalaureate to Ph.D.														
Total time: in years.....	8.0	8.9	9.1	9.0	9.1	9.5	9.3	9.0	9.5	9.2	9.5	8.9	9.9	9.6
Registered time: in years.....	5.6	6.0	6.5	6.5	6.8	6.9	6.8	6.8	6.8	6.9	7.0	7.0	7.2	7.0
Sciences & Engineering: percent.....	58.3	51.8	53.7	60.3	57.1	57.5	60.6	60.4	58.1	59.7	58.6	56.1	52.3	55.1
Physical Sciences.....	9.6	12.2	12.3	13.5	12.2	14.3	10.0	14.2	11.4	13.2	15.4	15.6	14.6	12.3
Earth, Atmospheric, and Ocean sciences.....	8.2	5.1	5.8	5.6	5.0	3.0	4.1	4.0	4.4	6.6	3.5	1.8	3.3	2.9
Mathematics.....	6.1	8.3	6.5	3.9	5.5	5.4	5.0	4.3	6.1	5.9	5.6	5.8	4.7	4.0
Computer/Information sciences.....	0.0	1.3	1.3	2.2	1.7	3.0	3.6	3.2	4.0	4.6	2.5	2.5	3.3	1.8
Engineering.....	10.7	12.8	14.3	10.1	16.0	13.8	17.3	16.2	18.2	15.1	14.7	13.1	15.0	16.3
Biological sciences.....	16.0	17.9	17.5	22.5	23.8	23.2	20.9	19.4	22.2	19.4	17.5	26.9	17.9	26.4
Agricultural sciences.....	5.0	5.1	7.8	7.3	7.2	5.4	5.5	6.3	3.7	3.9	4.6	2.9	3.7	5.1
Psychology and social sciences....	44.5	37.2	34.4	34.8	28.7	32.0	33.6	32.4	30.0	31.3	36.1	31.3	37.6	31.2
Non-sciences and Engineering: percent.....	41.7	48.2	46.3	39.7	42.9	42.5	39.4	39.6	41.9	40.3	41.4	43.9	47.7	44.9
Humanities.....	31.8	30.3	33.1	34.2	27.9	38.0	35.7	37.3	36.9	36.6	31.8	36.3	34.8	37.3
Education.....	47.8	52.4	42.9	43.6	45.6	38.7	35.0	24.7	32.7	27.8	35.8	28.4	37.6	32.9
Health sciences.....	5.5	6.2	6.0	6.8	9.6	8.0	9.8	13.3	9.8	11.7	7.0	14.0	12.0	10.7
Professional and other fields.....	14.9	11.0	18.0	15.4	16.9	15.3	19.6	24.7	20.6	23.9	25.4	21.4	15.6	19.1
Planned location after Ph.D. ²														
Number with permanent visas:														
U. S. total: percent.....	41	32	29	49	40	53	55	55	75	76	71	58	78	70
Study.....	75.6	75.0	62.1	63.3	67.5	67.9	58.2	74.5	81.3	84.2	80.3	86.2	80.8	81.4
Employment.....	41.9	33.3	16.7	51.6	55.6	55.6	56.3	29.3	39.3	32.8	43.9	42.0	39.7	47.4
Unknown.....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	5.3	0.0	0.0	1.8
Non-U.S.....	12.2	3.1	13.8	8.2	20.0	15.1	16.4	10.9	13.3	15.8	15.5	12.1	12.8	11.4
Unknown location.....	12.2	21.9	24.1	28.6	12.5	17.0	25.5	14.5	5.3	0.0	4.2	1.7	6.4	7.1

See explanatory information, if any, and SOURCE at end of table.

Table B-15. Statistical profile of doctorate recipients from Canada, by year of Ph.D.: 1975, 1980, 1985-96

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Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas:	240	124	125	129	141	150	165	198	222	228	214	217	196	206
U. S. total: percent	24.2	33.9	38.4	31.8	35.5	39.3	37.6	40.4	45.5	46.9	50.0	50.7	56.1	60.7
Study	55.2	69.0	64.6	61.0	58.0	54.2	48.4	52.5	54.5	42.1	59.8	58.2	49.1	48.8
Employment	44.8	31.0	35.4	39.0	42.0	45.8	51.6	47.5	45.5	57.0	40.2	40.0	48.2	49.6
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	1.8	2.7	1.6
Non-U.S.	60.8	56.5	41.6	48.1	38.3	42.0	41.2	46.0	45.0	49.1	47.7	48.4	40.3	37.9
Unknown location	15.0	9.7	20.0	20.2	26.2	18.7	21.2	13.6	9.5	3.9	2.3	0.9	3.6	1.5
Number planning location														
In the United States														
after Ph.D. ² :	89	66	66	72	77	95	94	121	162	171	164	160	173	182
Percent with definite postdoctoral study ⁴	48.3	51.5	40.9	48.6	49.4	47.4	43.6	33.1	39.5	33.3	44.5	45.0	32.9	40.7
Percent with definite employment ⁴	47.2	40.9	47.0	41.7	40.3	44.2	42.6	48.8	38.9	43.3	34.8	31.9	35.8	30.8
Percent seeking postdoctoral study ⁴	2.2	4.5	10.6	8.3	7.8	7.4	7.4	11.6	9.3	5.3	9.8	8.1	12.7	7.7
Percent seeking employment ⁴	2.2	3.0	1.5	1.4	2.6	1.1	6.4	6.6	11.7	17.0	9.1	13.8	16.8	19.2
Percent with postdoctoral plans unknown ⁴	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	1.3	1.7	1.6
Number with definite employment plans in United States														
after Ph.D.:	42	27	31	30	31	42	40	59	63	74	57	51	62	56
Primary work activity ² : percent														
R&D	35.7	66.7	45.2	56.7	67.7	45.2	67.5	49.2	49.2	55.4	45.6	56.9	53.2	39.3
Teaching	40.5	14.8	45.2	23.3	12.9	28.6	25.0	20.3	22.2	17.6	22.8	19.6	22.6	33.9
Administrative	4.8	0.0	0.0	3.3	0.0	2.4	2.5	1.7	0.0	2.7	0.0	2.0	1.6	3.6
Professional services	9.5	14.8	0.0	13.3	19.4	11.9	2.5	15.3	15.9	13.5	10.5	9.8	19.4	12.5
Other	0.0	3.7	0.0	3.3	0.0	4.8	0.0	0.0	4.8	1.4	0.0	3.9	0.0	3.6
Unknown	9.5	0.0	9.7	0.0	0.0	7.1	2.5	13.6	7.9	9.5	21.1	7.8	3.2	7.1
Type of employer: percent ²														
Educational institution ⁵	64.3	40.7	83.9	50.0	45.2	54.8	55.0	55.9	55.6	41.9	57.9	47.1	45.2	50.0
Industry/business	16.7	37.0	12.9	43.3	38.7	33.3	27.5	30.5	38.1	44.6	33.3	45.1	41.9	41.1
Government	2.4	3.7	3.2	3.3	6.5	0.0	7.5	5.1	1.6	2.7	0.0	3.9	1.6	5.4
Nonprofit	7.1	18.5	0.0	3.3	9.7	11.9	7.5	8.5	3.2	8.1	3.5	2.0	9.7	3.6
Other and unknown	9.5	0.0	0.0	0.0	0.0	0.0	2.5	0.0	1.6	2.7	5.3	2.0	1.6	0.0

¹This table includes all citizens of Canada who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.²Sciences and engineering Ph.D.s only.³In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.⁴Includes only those Ph.D. recipients intending to remain in the United States after graduation.⁵Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-16. Statistical profile of doctorate recipients from China, by year of Ph.D.: 1975, 1980, 1985-96

Page 1 of 2

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s ¹	4	3	137	203	306	499	857	1,225	1,919	2,238	2,416	2,772	2,979	3,200
Percent men.....	D	D	84.7	90.6	87.6	84.6	82.0	82.6	79.7	77.8	76.5	75.5	73.8	74.5
Percent women.....	D	D	15.3	9.4	12.4	15.4	18.0	17.4	20.3	22.3	23.6	24.5	26.3	25.5
Percent with permanent visa.....	D	D	3.7	3.4	7.5	6.2	5.5	4.7	5.8	8.6	16.1	64.6	79.4	56.0
Percent with temporary visa.....	D	D	96.4	96.6	92.5	93.8	94.5	95.3	94.2	91.4	83.9	35.4	20.6	44.0
Percent married.....	D	D	86.1	86.7	77.8	78.8	78.4	74.4	74.6	78.2	79.8	79.2	78.5	80.8
Percent not married.....	D	D	12.4	13.3	19.0	20.0	20.2	18.7	17.8	16.2	14.8	14.8	15.7	15.4
Percent unknown.....	D	D	1.5	0.0	3.3	1.2	1.4	6.9	7.7	5.6	5.4	6.0	5.8	3.8
Median age at Ph.D. in years ²	D	D	39.9	39.6	36.8	32.5	32.2	32.0	32.4	32.3	32.5	32.4	32.3	32.6
Percent with dependents.....	D	D	73.7	76.8	62.7	60.9	57.2	58.5	59.1	61.9	62.9	63.4	60.8	62.7
Percent receiving sources of support: percent ^{2,3}														
Personal.....	D	D	7.4	10.6	13.3	12.1	12.3	13.5	14.2	17.7	21.5	22.4	22.9	33.7
Foreign government.....	D	D	0.0	0.0	11.9	19.0	19.0	12.6	9.0	7.8	4.9	2.5	1.3	1.3
University.....	D	D	89.6	95.5	93.2	96.9	97.1	93.3	94.7	97.1	95.9	95.6	95.5	96.0
Teaching assistant.....	D	D	45.2	61.6	61.1	65.8	62.9	57.7	57.3	59.1	56.6	55.6	53.1	58.4
Research assistant.....	D	D	69.6	81.3	77.5	85.6	80.6	81.2	80.9	84.8	82.0	81.4	81.8	84.3
Other university.....	D	D	25.2	26.8	25.3	27.1	26.9	21.2	19.7	16.2	17.9	16.8	18.0	28.3
Other.....	D	D	25.9	19.2	8.5	6.7	7.6	4.4	5.1	5.1	5.8	6.1	5.6	8.2
Unknown.....	D	D	3.0	2.0	5.5	1.9	2.1	5.3	4.4	2.0	2.8	3.1	3.3	3.5
Median years from baccalaureate to Ph.D.														
Total time: in years.....	D	D	16.9	16.2	8.4	6.3	6.9	7.8	8.7	9.5	10.3	10.9	11.1	11.4
Registered time: in years.....	D	D	5.3	5.7	5.3	5.6	5.9	6.3	6.4	6.9	7.1	7.3	7.4	7.4
Sciences & Engineering: percent.....	D	D	98.5	97.5	95.8	96.2	94.4	93.9	93.4	91.4	92.2	91.3	92.4	92.3
Physical sciences.....	D	D	26.7	36.9	38.2	36.5	34.8	28.0	27.7	28.6	25.0	25.3	23.9	21.4
Earth, Atmospheric, and Ocean sciences.....	D	D	6.7	4.5	1.0	4.4	2.9	3.7	2.7	4.3	3.8	4.4	3.8	3.5
Mathematics.....	D	D	13.3	14.6	11.6	9.2	11.1	9.7	10.7	8.5	9.0	7.4	7.2	6.1
Computer/Information sciences.....	D	D	4.4	5.1	4.1	2.9	3.4	3.2	3.3	2.9	2.5	2.1	2.1	2.1
Engineering.....	D	D	35.6	28.3	29.4	27.5	25.6	28.5	26.6	24.8	24.4	25.9	28.1	27.1
Biological sciences.....	D	D	10.4	8.1	12.3	13.1	15.0	18.4	20.6	22.1	24.3	23.4	26.1	29.1
Agricultural sciences.....	D	D	1.5	1.0	0.7	2.9	3.2	3.2	3.6	3.3	3.1	3.2	2.4	4.2
Psychology and social sciences....	D	D	1.5	1.5	2.7	3.5	3.9	5.1	4.9	5.6	7.9	8.3	6.4	6.5
Non-sciences and														
Engineering: percent.....	D	D	1.5	2.5	4.2	3.8	5.6	6.1	6.6	8.6	7.8	8.7	7.6	7.8
Humanities.....	D	D	100.0	40.0	30.8	42.1	35.1	26.7	23.0	30.6	27.0	32.8	25.6	29.8
Education.....	D	D	0.0	0.0	15.4	31.6	29.7	40.0	31.8	25.9	28.0	29.1	26.4	26.2
Health sciences.....	D	D	0.0	0.0	30.8	10.5	18.9	12.0	19.8	21.8	20.1	20.3	25.1	21.0
Professional and other fields.....	D	D	0.0	60.0	23.1	15.8	16.2	21.3	25.4	21.8	24.9	17.8	22.9	23.0
Planned location after Ph.D. ²														
Number with permanent visas:.....	D	D	5	7	22	26	36	54	100	162	352	1,642	2,169	1,628
U. S. total: percent.....	D	D	40.0	57.1	50.0	61.5	66.7	63.0	83.0	96.3	95.7	95.5	94.5	94.6
Study.....	D	D	50.0	50.0	45.5	37.5	62.5	35.3	50.6	53.2	47.5	54.0	53.8	48.3
Employment.....	D	D	50.0	50.0	54.5	62.5	33.3	61.8	47.0	39.7	45.1	42.3	42.5	48.9
Unknown.....	D	D	0.0	0.0	0.0	0.0	4.2	2.9	2.4	7.1	7.4	3.7	3.7	2.8
Non-U.S.....	D	D	20.0	0.0	4.5	0.0	2.8	1.9	2.0	1.2	1.7	2.1	2.2	2.5
Unknown location.....	D	D	40.0	42.9	45.5	38.5	30.6	35.2	15.0	2.5	2.6	2.4	3.3	3.0

See explanatory information, if any, and SOURCE at end of table.

Table B-16. Statistical profile of doctorate recipients from China, by year of Ph.D.: 1975, 1980, 1985-96

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Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas:	D	D	130	191	271	454	584	1,096	1,693	1,883	1,875	889	583	1,324
U.S. total: percent.....	D	D	39.2	53.4	56.1	59.0	61.1	59.6	79.5	87.8	87.4	87.4	84.9	86.9
Study.....	D	D	68.6	79.4	80.9	79.1	77.0	65.5	61.6	62.3	62.5	58.4	58.2	59.0
Employment.....	D	D	25.5	20.6	18.4	20.9	22.1	33.7	36.6	34.4	34.4	38.9	38.0	39.2
Unknown.....	D	D	5.9		0.7	0.0	0.8	0.8	1.8	3.3	3.1	2.7	3.8	1.7
Non-U.S.....	D	D	30.0	14.7	7.0	8.2	9.4	9.7	5.7	5.5	5.3	4.7	5.7	5.3
Unknown location.....	D	D	30.8	31.9	36.9	32.8	29.5	30.8	14.8	6.7	7.3	7.9	9.4	7.9
Number planning location														
In the United States after Ph.D. ² :	D	D	53	108	163	284	381	687	1,429	1,809	1,975	2,345	2,545	2,690
Percent with definite postdoctoral study ⁴	D	D	45.3	64.2	64.4	60.6	62.7	47.2	37.5	36.8	33.5	31.4	31.1	35.7
Percent with definite employment ⁴	D	D	22.6	19.8	17.8	20.8	19.4	22.3	22.5	17.8	17.3	17.1	17.7	26.8
Percent seeking postdoctoral study ⁴	D	D	22.6	14.2	14.1	16.2	13.4	16.9	23.4	24.7	26.5	24.1	23.6	17.2
Percent seeking employment ⁴	D	D	3.8	1.9	3.1	2.5	3.4	12.8	14.7	17.1	18.9	24.0	23.9	18.0
Percent with postdoctoral plans unknown ⁴	D	D	5.7	0.0	0.6	0.0	1.1	0.9	1.8	3.6	3.8	3.4	3.7	2.3
Number with definite employment plans in United States after Ph.D.:	D	D	12	21	29	59	74	153	322	322	342	402	450	720
Primary work activity ² : percent.....														
R&D.....	D	D	58.3	28.6	62.1	57.6	62.2	56.9	61.8	64.3	58.5	67.4	66.2	72.8
Teaching.....	D	D	33.3	61.9	27.6	27.1	25.7	16.3	15.5	13.4	18.4	9.7	9.1	6.8
Administrative.....	D	D	0.0	0.0	3.4	1.7	0.0	0.7	0.3	0.6	0.3	1.0	0.9	1.1
Professional services.....	D	D	0.0	0.0	0.0	3.4	1.4	5.2	3.7	3.4	3.5	5.0	8.7	11.1
Other.....	D	D	0.0	4.8	0.0	0.0	0.0	0.0	1.2	0.9	1.8	2.5	2.0	3.9
Unknown.....	D	D	8.3	4.8	6.9	10.2	10.8	20.9	17.4	17.4	17.5	14.4	13.1	4.3
Type of employer: percent ²														
Educational institution ⁵	D	D	66.7	76.2	62.1	69.5	66.2	46.4	41.6	39.8	42.1	25.4	23.8	13.6
Industry/business.....	D	D	25.0	14.3	34.5	25.4	27.0	47.1	51.9	52.2	48.8	63.7	66.9	79.4
Government.....	D	D	8.3	0.0	3.4	3.4	2.7	3.3	1.9	3.1	3.8	3.0	2.9	2.5
Nonprofit.....	D	D	0.0	9.5	0.0	0.0	2.7	2.6	4.0	2.2	2.3	3.5	3.1	2.9
Other and unknown.....	D	D	0.0	0.0	0.0	1.7	1.4	0.7	0.6	2.8	2.9	4.5	3.3	1.5

D = data withheld to avoid potential disclosure of confidential information.

¹This table includes all citizens of China who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.²Sciences and engineering Ph.D.s only.³In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.⁴Includes only those Ph.D. recipients intending to remain in the United States after graduation.⁵Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-17. Statistical profile of doctorate recipients from Eastern Europe¹, by year of Ph.D.: 1975, 1980, 1985-96

Page 1 of 2

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s²	25	28	55	67	57	69	72	106	116	124	148	217	261	433
Percent men.....	80.0	75.0	69.1	73.1	82.5	81.2	72.2	71.7	78.4	74.2	68.9	75.1	75.9	73.7
Percent women.....	20.0	25.0	30.9	26.9	17.5	18.8	27.8	28.3	21.6	25.8	31.1	24.9	24.1	26.3
Percent with permanent visa.....	40.0	21.4	14.5	28.4	24.6	15.9	27.8	25.5	18.1	24.2	20.9	25.8	21.5	22.6
Percent with temporary visa.....	60.0	78.6	85.5	71.6	75.4	84.1	72.2	74.5	81.9	75.8	79.1	74.2	78.5	77.4
Percent married.....	56.0	32.1	61.8	64.2	54.4	59.4	61.1	61.3	56.0	62.1	59.5	59.4	62.5	57.5
Percent not married.....	44.0	67.9	34.5	32.8	43.9	40.6	36.1	32.1	34.5	33.1	35.1	34.6	24.5	37.6
Percent unknown.....	0.0	0.0	3.6	3.0	1.8	0.0	2.8	6.6	9.5	4.8	5.4	6.0	13.0	4.9
Median age at Ph.D. in years ³	31.2	31.1	31.9	31.6	30.9	32.1	32.3	33.0	32.4	32.0	32.0	31.3	31.5	31.1
Percent with dependents.....	28.0	32.1	54.5	53.7	35.1	43.5	41.7	44.3	46.6	44.4	44.6	48.4	49.0	46.9
Percent receiving sources of support: percent ^{3,4}														
Personal.....	33.3	23.1	41.2	47.5	21.7	33.8	43.5	33.3	48.5	40.2	34.1	35.5	33.6	39.7
Foreign government.....	0.0	0.0	0.0	0.0	2.2	3.1	3.2	2.2	1.0	0.9	2.4	0.5	0.4	1.3
University.....	95.8	96.2	90.2	100.0	97.8	95.4	95.2	95.6	89.9	97.2	96.8	97.3	95.0	95.8
Teaching assistant.....	62.5	53.8	58.8	64.4	67.4	70.8	66.1	60.0	62.6	65.4	71.4	64.5	65.6	68.5
Research assistant.....	79.2	73.1	70.6	66.1	69.6	81.5	66.1	64.4	70.7	65.4	73.0	74.7	71.8	74.9
Other university.....	29.2	19.2	21.6	30.5	32.6	23.1	19.4	30.0	17.2	25.2	20.6	18.8	18.7	33.6
Other.....	20.8	26.9	13.7	8.5	13.0	18.5	14.5	14.4	13.1	15.9	10.3	10.8	10.0	13.5
Unknown.....	0.0	0.0	5.9	0.0	2.2	3.1	3.2	4.4	6.1	0.9	1.6	1.1	4.6	4.0
Median years from baccalaureate to Ph.D.														
Total time: in years.....	7.8	8.8	8.9	8.2	7.4	8.3	8.9	9.0	8.6	9.0	9.1	8.5	7.8	7.8
Registered time: in years.....	4.4	5.7	6.2	5.8	5.0	5.4	6.0	5.9	6.7	5.6	6.1	5.8	5.8	5.7
Sciences & Engineering: percent.....	96.0	92.9	92.7	88.1	80.7	94.2	86.1	84.9	85.3	86.3	85.1	85.7	92.3	87.3
Physical Sciences.....	41.7	19.2	33.3	27.1	34.8	33.8	17.7	14.4	18.2	20.6	15.9	22.6	24.9	25.9
Earth, Atmospheric, and Ocean sciences.....	0.0	0.0	2.0	0.0	2.2	3.1		1.1	1.0	3.7	2.4	3.2	2.1	3.7
Mathematics.....	4.2	19.2	17.6	22.0	32.6	16.9	16.1	31.1	19.2	27.1	28.6	23.7	22.0	23.3
Computer/Information sciences.....	0.0	7.7	3.9	3.4	0.0	9.2	8.1	5.6	7.1	4.7	5.6	5.9	3.3	2.6
Engineering.....	33.3	34.6	29.4	39.0	15.2	29.2	37.1	26.7	29.3	17.8	28.6	26.3	27.4	24.1
Biological sciences.....	8.3	19.2	7.8	1.7	8.7	4.6	6.5	8.9	11.1	10.3	11.1	10.8	11.2	10.6
Agricultural sciences.....	0.0	0.0	3.9	0.0	0.0	0.0	1.6	3.3	2.0	3.7	3.2	2.2	1.2	1.1
Psychology and social sciences....	12.5	0.0	2.0	6.8	6.5	3.1	12.9	8.9	12.1	12.2	4.8	5.4	7.9	8.7
Non-sciences and Engineering: percent.....	4.0	7.1	7.3	11.9	19.3	5.8	13.9	15.1	14.7	13.7	14.9	14.3	7.7	12.7
Humanities.....	100.0	50.0	25.0	75.0	81.8	100.0	70.0	50.0	76.5	88.2	59.1	71.0	70.0	56.4
Education.....	0.0	0.0	25.0	25.0	9.1	0.0	10.0	18.8	5.9	5.9	9.1	9.7	5.0	10.9
Health sciences.....	0.0	0.0	0.0	0.0	9.1	0.0	0.0	6.3	5.9	0.0	4.5	6.5	0.0	5.5
Professional and other fields.....	0.0	50.0	50.0	0.0	0.0	0.0	20.0	25.0	11.8	5.9	27.3	12.9	25.0	27.3
Planned location after Ph.D.³														
Number with permanent visas:.....	9	5	7	17	9	8	16	19	16	20	24	42	52	80
U. S. total: percent.....	100.0	100.0	85.7	58.8	55.6	50.0	62.5	52.6	81.3	85.0	100.0	95.2	88.5	90.0
Study.....	55.6	80.0	50.0	30.0	80.0	50.0	40.0	70.0	46.2	52.9	58.3	45.0	34.8	47.2
Employment.....	44.4	20.0	50.0	70.0	20.0	50.0	60.0	30.0	53.8	41.2	41.7	47.5	63.0	48.6
Unknown.....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	7.5	2.2	4.2
Non-U.S.....	0.0	0.0	0.0	0.0	0.0	12.5	6.3	5.3	6.3	10.0	0.0	4.8	5.8	7.5
Unknown location.....	0.0	0.0	14.3	41.2	44.4	37.5	31.3	42.1	12.5	5.0	0.0	0.0	5.8	2.5

See explanatory information, if any, and SOURCE at end of table.

Table B-17. Statistical profile of doctorate recipients from Eastern Europe¹, by year of Ph.D.: 1975, 1980, 1985-96

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Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas:	15	21	44	42	37	57	46	71	83	87	102	144	189	298
U. S. total: percent	20.0	33.3	61.4	64.3	56.8	52.6	50.0	53.5	62.7	75.9	71.6	70.8	72.0	75.5
Study	100.0	57.1	66.7	63.0	76.2	43.3	73.9	60.5	50.0	48.5	64.4	61.8	53.7	64.0
Employment	0.0	42.9	33.3	37.0	23.8	56.7	26.1	39.5	50.0	50.0	34.2	38.2	44.1	34.2
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.4	0.0	2.2	1.8
Non-U.S.	46.7	57.1	22.7	23.8	21.6	29.8	32.6	18.3	21.7	19.5	22.5	25.7	22.8	17.1
Unknown location	33.3	9.5	15.9	11.9	21.6	17.5	17.4	28.2	15.7	4.6	5.9	3.5	5.3	7.4
Number planning location														
In the United States														
after Ph.D. ³ :	12	12	33	37	28	34	33	48	85	83	97	142	182	297
Percent with definite postdoctoral study ⁵	50.0	66.7	48.5	43.2	69.2	38.2	54.5	43.8	33.8	30.1	45.4	39.4	33.0	43.4
Percent with definite employment ⁵	33.3	25.0	33.3	37.8	23.1	52.9	33.3	29.2	33.8	37.3	20.6	28.9	30.2	27.6
Percent seeking postdoctoral study ⁵	16.7	0.0	15.2	10.8	7.7	5.9	9.1	18.8	15.4	19.3	17.5	17.6	15.9	16.5
Percent seeking employment ⁵	0.0	8.3	3.0	8.1	0.0	2.9	3.0	8.3	16.9	10.8	15.5	12.0	18.7	10.1
Percent with postdoctoral plans unknown ⁵	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.0	2.1	2.2	2.4
Number with definite employment plans in United States														
after Ph.D.:	4	3	11	14	6	18	11	14	22	31	20	41	55	82
Primary work activity ³ : percent	D	D	54.5	64.3	83.3	61.1	72.7	64.3	59.1	54.8	55.0	70.7	61.8	64.6
R&D	D	D	36.4	21.4	16.7	33.3	9.1	21.4	22.7	35.5	30.0	12.2	21.8	20.7
Teaching	D	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
Administrative	D	D	0.0	0.0	0.0	5.6	0.0	7.1	0.0	0.0	0.0	4.9	7.3	4.9
Professional services	D	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.8	6.1
Other	D	D	0.0	0.0	0.0	0.0	0.0	0.0	4.5	3.2	0.0	0.0	0.0	0.0
Unknown	D	D	9.1	14.3	0.0	0.0	18.2	7.1	13.6	6.5	15.0	9.8	7.3	2.4
Type of employer: percent ³	D	D	81.8	57.1	66.7	77.8	81.8	50.0	59.1	67.7	65.0	43.9	50.9	35.4
Educational institution ⁶	D	D	18.2	35.7	33.3	16.7	18.2	35.7	18.2	29.0	35.0	51.2	47.3	56.1
Industry/business	D	D	0.0	7.1	0.0	5.6	0.0	7.1	0.0	0.0	0.0	0.0	1.8	4.9
Government	D	D	0.0	0.0	0.0	0.0	0.0	7.1	9.1	3.2	0.0	4.9	0.0	2.4
Nonprofit	D	D	0.0	0.0	0.0	0.0	0.0	7.1	9.1	0.0	0.0	0.0	0.0	0.0
Other and unknown	D	D	0.0	0.0	0.0	0.0	0.0	0.0	13.6	0.0	0.0	0.0	0.0	1.2

D = data withheld to avoid potential disclosure of confidential information.

¹ Includes Albania, Bulgaria, Czechoslovakia, Czech Republic, Slovakia, Hungary, Poland, Romania, U.S.S.R., Russia, Armenia, Azerbaijan, Belarus, Estonia, Georgia,

Kazakhstan, Kyrgyzstan, Latvia, Moldova, Tadzhikistan, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia, Bosnia-Herzegovina, Croatia, Macedonia,

Serbia-Montenegro, and unspecified Eastern European countries.

² This table includes all citizens of Eastern European countries who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.³ Sciences and engineering Ph.D.s only.⁴ In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.⁵ Includes only those Ph.D. recipients intending to remain in the United States after graduation.⁶ Includes 2-year and 4-year colleges and universities, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-18. Statistical profile of doctorate recipients from France, by year of Ph.D.: 1975, 1980, 1985-96

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Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s¹	67	32	46	50	69	78	70	94	107	116	136	132	117	101
Percent men.....	76.1	68.8	65.2	62.0	59.4	62.8	60.0	58.5	61.7	62.1	66.9	60.6	67.5	60.4
Percent women.....	23.9	31.3	34.8	38.0	40.6	37.2	40.0	41.5	38.3	37.9	33.1	39.4	32.5	39.6
Percent with permanent visa.....	23.9	37.5	41.3	22.0	39.1	26.9	38.6	30.9	31.8	25.9	31.6	26.5	23.1	34.7
Percent with temporary visa.....	76.1	62.5	58.7	78.0	60.9	73.1	61.4	69.1	68.2	74.1	68.4	73.5	76.9	65.3
Percent married.....	68.7	78.1	58.7	38.0	47.8	52.6	47.1	39.4	47.7	36.2	41.2	43.2	38.5	39.6
Percent not married.....	31.3	21.9	39.1	56.0	49.3	43.6	48.6	53.2	43.9	56.0	57.4	53.0	56.4	58.4
Percent unknown.....	0.0	0.0	2.2	6.0	2.9	3.8	4.3	7.4	8.4	7.8	1.5	3.8	5.1	2.0
Median age at Ph.D. in years ²	28.4	31.7	28.3	28.3	28.7	28.7	29.1	28.9	29.5	28.8	28.8	29.1	28.7	29.3
Percent with dependents.....	38.8	56.3	41.3	24.0	34.8	37.2	27.1	28.7	34.6	23.3	30.1	26.5	19.7	24.8
Percent receiving sources of support: percent ^{2,3}														
Personal.....	38.6	37.5	50.0	55.9	56.3	56.6	45.1	60.0	52.2	46.8	50.5	56.3	41.0	70.6
Foreign government.....	0.0	0.0	0.0	0.0	6.3	17.0	13.7	18.5	10.4	11.7	14.0	10.4	9.6	14.7
University.....	86.4	100.0	82.1	88.2	87.5	90.6	88.2	81.5	88.1	85.7	92.5	87.5	90.4	89.7
Teaching assistant.....	61.4	43.8	42.9	47.1	41.7	52.8	54.9	50.8	52.2	50.6	59.1	49.0	51.8	52.9
Research assistant.....	47.7	81.3	75.0	82.4	75.0	71.7	72.5	58.5	64.2	64.9	78.5	72.9	75.9	76.5
Other university.....	29.5	37.5	7.1	17.6	20.8	22.6	27.5	21.5	17.9	16.9	12.9	14.6	18.1	25.0
Other.....	56.8	25.0	35.7	32.4	14.6	15.1	15.7	23.1	16.4	27.3	20.4	17.7	18.1	23.5
Unknown.....	0.0	0.0	10.7	2.9	2.1	5.7	5.9	6.2	4.5	5.2	0.0	2.1	4.8	2.9
Median years from baccalaureate to Ph.D.														
Total time: in years.....	7.0	9.0	8.2	6.7	7.4	7.5	6.7	6.8	7.8	8.0	7.5	7.2	7.5	7.3
Registered time: in years.....	5.0	5.4	6.9	6.0	5.8	6.3	5.5	6.1	5.9	6.7	6.2	6.8	6.0	6.5
Sciences & Engineering: percent.....	65.7	50.0	60.9	68.0	69.6	67.9	72.9	69.1	62.6	66.4	68.4	72.7	70.9	67.3
Physical sciences.....	9.1	12.5	25.0	17.6	27.1	7.5	17.6	12.3	19.4	26.0	31.2	30.2	26.5	14.7
Earth, Atmospheric, and Ocean sciences.....	6.8	6.3	7.1	8.8	0.0	7.5	5.9	4.6	6.0	2.6	3.2	2.1	4.8	2.9
Mathematics.....	11.4	6.3	0.0	5.9	12.5	11.3	3.9	10.8	4.5	3.9	3.2	2.1	3.6	0.0
Computer/Information sciences.....	0.0	0.0	0.0	2.9	0.0	3.8	0.0	6.2	6.0	10.4	1.1	3.1	7.2	2.9
Engineering.....	34.1	37.5	39.3	38.2	33.3	41.5	35.3	41.5	28.4	32.5	34.4	33.3	28.9	36.8
Biological sciences.....	2.3	0.0	7.1	5.9	6.3	7.5	19.6	6.2	17.9	7.8	10.8	11.5	12.0	14.7
Agricultural sciences.....	0.0	0.0	7.1	5.9	0.0	1.9	3.9	1.5	1.5	1.3	3.2	6.3	2.4	11.8
Psychology and social sciences....	36.4	37.5	14.3	14.7	20.8	18.9	13.7	16.9	16.4	15.6	12.9	11.5	14.5	16.2
Non-sciences and Engineering: percent.....	34.3	50.0	39.1	32.0	30.4	32.1	27.1	30.9	37.4	33.6	31.6	27.3	29.1	32.7
Humanities.....	60.9	50.0	72.2	75.0	90.5	68.0	100.0	79.3	75.0	71.8	76.7	86.1	85.3	93.9
Education.....	0.0	12.5	5.6	0.0	0.0	0.0	0.0	6.9	5.0	12.8	4.7	8.3	5.9	0.0
Health sciences.....	0.0	0.0	11.1	12.5	4.8	4.0	0.0	6.9	5.0	5.1	9.3	2.8	2.9	3.0
Professional and other fields.....	39.1	37.5	11.1	12.5	4.8	28.0	0.0	6.9	15.0	10.3	9.3	2.8	5.9	3.0
Planned location after Ph.D.²														
Number with permanent visas:.....	5	5	7	6	11	11	14	15	12	10	19	16	15	16
U.S. total: percent.....	D	D	57.1	50.0	45.5	72.7	50.0	66.7	83.3	80.0	47.4	87.5	73.3	81.3
Study.....	D	D	25.0	33.3	20.0	37.5	57.1	50.0	30.0	37.5	44.4	28.6	54.5	23.1
Employment.....	D	D	75.0	66.7	80.0	62.5	42.9	50.0	70.0	62.5	55.6	71.4	45.5	76.9
Unknown.....	D	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Non-U.S.....	D	D	14.3	0.0	0.0	9.1	14.3	20.0	16.7	10.0	47.4	12.5	20.0	18.8
Unknown location.....	D	D	28.6	50.0	54.5	18.2	35.7	13.3	0.0	10.0	5.3	0.0	6.7	0.0

See explanatory information, if any, and SOURCE at end of table.

Table B-18. Statistical profile of doctorate recipients from France, by year of Ph.D.: 1975, 1980, 1985-96

Page 2 of 2

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas:	39	11	21	28	37	42	37	50	55	67	74	80	68	52
U. S. total: Percent.....	10.3	36.4	28.6	35.7	40.5	31.0	37.8	30.0	32.7	34.3	27.0	46.3	39.7	34.6
Study.....	75.0	0.0	83.3	40.0	26.7	38.5	64.3	40.0	55.6	39.1	50.0	43.2	66.7	50.0
Employment.....	25.0	100.0	16.7	60.0	66.7	61.5	35.7	60.0	44.4	60.9	45.0	54.1	29.6	44.4
Unknown.....	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	0.0	5.0	2.7	3.7	5.6
Non-U.S.....	61.5	54.5	28.6	25.0	16.2	19.0	27.0	44.0	52.7	53.7	68.9	51.3	50.0	61.5
Unknown location.....	28.2	9.1	42.9	39.3	43.2	50.0	35.1	26.0	14.5	11.9	4.1	2.5	10.3	3.8
Number planning location in the United States after Ph.D.²:	8	9	10	13	20	21	21	25	28	31	29	51	38	31
Percent with definite postdoctoral study ⁴	25.0	11.1	60.0	23.1	25.0	23.8	47.6	28.0	28.6	22.6	37.9	21.6	42.1	32.3
Percent with definite employment ⁴	50.0	88.9	40.0	53.8	60.0	52.4	28.6	36.0	46.4	41.9	20.7	37.3	18.4	38.7
Percent seeking postdoctoral study ⁴	25.0	0.0	0.0	15.4	0.0	14.3	14.3	16.0	17.9	16.1	10.3	17.6	21.1	6.5
Percent seeking employment ⁴	0.0	0.0	0.0	7.7	10.0	9.5	9.5	20.0	7.1	19.4	27.6	21.6	15.8	19.4
Percent with postdoctoral plans unknown ⁴	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	3.4	2.0	2.6	3.2
Number with definite employment plans in United States after Ph.D.:	4	8	4	7	12	11	6	9	13	13	6	19	7	12
Primary work activity ² : percent.....	D	87.5	D	28.6	58.3	63.6	66.7	44.4	69.2	61.5	50.0	63.2	85.7	66.7
R&D.....	D	0.0	D	57.1	8.3	36.4	16.7	33.3	7.7	38.5	16.7	26.3	14.3	16.7
Teaching.....	D	0.0	D	0.0	8.3	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Administrative.....	D	0.0	D	14.3	8.3	0.0	0.0	11.1	7.7	0.0	33.3	5.3	0.0	8.3
Professional services.....	D	0.0	D	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Other.....	D	0.0	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unknown.....	D	12.5	D	0.0	0.0	0.0	0.0	11.1	15.4	0.0	0.0	5.3	0.0	0.0
Type of employer: percent ²														
Educational institution ⁵	D	25.0	D	85.7	25.0	90.9	66.7	33.3	23.1	46.2	33.3	42.1	14.3	25.0
Industry/business.....	D	75.0	D	14.3	50.0	9.1	16.7	55.6	46.2	46.2	50.0	52.6	57.1	66.7
Government.....	D	0.0	D	0.0	8.3	0.0	16.7	11.1	0.0	7.7	16.7	0.0	28.6	8.3
Nonprofit.....	D	0.0	D	0.0	8.3	0.0	0.0	0.0	7.7	0.0	0.0	5.3	0.0	0.0
Other and unknown.....	D	0.0	D	0.0	8.3	0.0	0.0	0.0	23.1	0.0	0.0	0.0	0.0	0.0

D = data withheld to avoid potential disclosure of confidential information.

¹This table includes all citizens of Eastern European countries who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.²Sciences and engineering Ph.D.s only.³In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.⁴Includes only those Ph.D. recipients intending to remain in the United States after graduation.⁵Includes 2-year and 4-year colleges and universities, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-19. Statistical profile of doctorate recipients from Germany¹, by year of Ph.D.: 1975, 1980, 1985-96

Page 1 of 2

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s²	74	51	80	94	109	109	139	169	181	189	250	257	306	245
Percent men.....	68.9	54.9	50.0	67.0	62.4	66.1	66.9	68.0	67.4	63.0	66.4	65.8	65.0	63.3
Percent women.....	31.1	45.1	50.0	33.0	37.6	33.9	33.1	32.0	32.6	37.0	33.6	34.2	35.0	36.7
Percent with permanent visa.....	43.2	54.9	45.0	41.5	40.4	36.7	30.9	38.5	29.8	34.4	34.4	33.5	31.4	31.4
Percent with temporary visa.....	56.8	45.1	55.0	58.5	59.6	63.3	69.1	61.5	70.2	65.6	65.6	66.5	68.6	68.6
Percent married.....	62.2	54.9	48.8	51.1	45.9	44.0	37.4	46.7	39.8	40.2	39.2	38.1	37.6	35.1
Percent not married.....	36.5	45.1	47.5	43.6	45.9	53.2	61.9	47.3	53.6	52.9	54.0	56.8	55.9	58.4
Percent unknown.....	1.4	0.0	3.8	5.3	8.3	2.8	0.7	5.9	6.6	6.9	6.8	5.1	6.5	6.5
Median age at Ph.D. in years ³	31.6	31.3	30.5	30.3	30.2	30.3	30.6	30.3	30.3	31.0	30.8	31.0	30.7	31.5
Percent with dependents.....	28.4	31.4	26.3	27.7	27.5	24.8	18.7	27.2	21.0	22.8	25.6	21.4	19.3	22.9
Percent receiving sources of support: percent ^{3,4}														
Personal.....	39.0	70.4	71.4	58.1	60.8	61.5	67.6	54.5	55.9	62.9	63.4	54.6	57.7	68.8
Foreign government.....	0.0	0.0	0.0	0.0	8.1	16.7	13.7	11.4	15.3	11.3	20.7	12.8	12.5	11.2
University.....	82.9	85.2	95.9	88.7	81.1	96.2	95.1	91.9	86.4	92.7	95.1	91.3	94.2	95.3
Teaching assistant.....	53.7	44.4	59.2	48.4	62.2	62.8	66.7	58.5	52.5	54.8	59.8	62.8	53.4	66.5
Research assistant.....	56.1	48.1	61.2	72.6	59.5	74.4	71.6	68.3	65.3	71.8	75.0	66.8	73.1	75.9
Other university.....	48.8	18.5	36.7	22.6	24.3	25.6	33.3	26.8	20.3	23.4	24.4	19.9	21.6	42.9
Other.....	39.0	37.0	18.4	27.4	18.9	23.1	17.6	16.3	20.3	23.4	22.0	21.4	15.9	23.5
Unknown.....	4.9	0.0	2.0	1.6	6.8	0.0	1.0	4.9	4.2	4.0	1.8	4.1	2.9	3.5
Median years from baccalaureate to Ph.D.														
Total time: in years.....	8.8	7.9	7.1	6.9	7.3	6.6	6.5	7.0	7.0	7.6	7.1	7.1	7.2	7.6
Registered time: in years.....	5.2	6.0	6.0	6.0	6.0	5.8	5.9	6.7	6.0	6.8	6.4	6.5	6.4	6.6
Sciences & Engineering: percent.....	55.4	52.9	61.3	66.0	67.9	71.6	73.4	72.8	65.2	65.6	65.6	76.3	68.0	69.4
Physical Sciences.....	9.8	18.5	8.2	25.8	29.7	21.8	23.5	26.0	29.7	24.2	20.7	19.9	20.7	19.4
Earth, Atmospheric, and Ocean sciences.....	2.4	0.0	4.1	3.2	4.1	9.0	7.8	6.5	0.8	7.3	3.7	5.6	4.8	5.3
Mathematics.....	12.2	3.7	12.2	11.3	16.2	11.5	11.8	11.4	5.1	8.1	11.0	7.7	8.7	12.4
Computer/Information sciences.....	0.0	11.1	2.0	4.8	2.7	7.7	3.9	4.1	10.2	7.3	4.9	4.1	7.7	4.7
Engineering.....	17.1	18.5	14.3	16.1	9.5	14.1	16.7	12.2	6.8	14.5	14.0	14.8	17.8	9.4
Biological sciences.....	14.6	22.2	24.5	14.5	9.5	12.8	9.8	12.2	21.2	12.1	18.9	19.9	17.3	22.9
Agricultural sciences.....	2.4	0.0	0.0	3.2	1.4	0.0	2.0	1.6	2.5	4.0	1.8	1.5	2.9	1.8
Psychology and social sciences....	41.5	25.9	34.7	21.0	27.0	23.1	24.5	26.0	23.7	22.6	25.0	26.5	20.2	24.1
Non-sciences and Engineering: percent.....	44.6	47.1	38.8	34.0	32.1	28.4	26.6	27.2	34.8	34.4	34.4	23.7	32.0	30.6
Humanities.....	57.6	62.5	61.3	75.0	82.9	77.4	83.8	80.4	74.6	80.0	80.2	80.3	75.5	60.0
Education.....	18.2	16.7	22.6	9.4	2.9	9.7	8.1	6.5	11.1	3.1	7.0	8.2	5.1	14.7
Health sciences.....	3.0	4.2	0.0	0.0	2.9	3.2	2.7	0.0	4.8	1.5	2.3	4.9	6.1	9.3
Professional and other fields.....	21.2	16.7	16.1	15.6	11.4	9.7	5.4	13.0	9.5	15.4	10.5	6.6	13.3	16.0
Planned location after Ph.D.³														
Number with permanent visas:.....	12	11	19	22	29	22	24	38	25	39	45	62	53	51
U. S. total: percent.....	58.3	36.4	63.2	63.6	58.6	54.5	62.5	81.6	80.0	82.1	80.0	82.3	86.8	82.4
Study.....	28.6	25.0	58.3	64.3	47.1	58.3	26.7	32.3	25.0	31.3	36.1	39.2	50.0	45.2
Employment.....	71.4	75.0	41.7	35.7	52.9	41.7	73.3	67.7	75.0	65.6	58.3	60.8	47.8	50.0
Unknown.....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	5.6	0.0	2.2	4.8
Non-U.S.....	8.3	18.2	5.3	4.5	20.7	4.5	4.2	7.9	4.0	17.9	20.0	16.1	13.2	13.7
Unknown location.....	33.3	45.5	31.6	31.8	20.7	40.9	33.3	10.5	16.0	0.0	0.0	1.6	0.0	3.9

See explanatory information, if any, and SOURCE at end of table.

Table B-19. Statistical profile of doctorate recipients from Germany¹, by year of Ph.D.: 1975, 1980, 1985-96

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Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas:	29	16	30	40	45	56	78	85	93	85	119	134	155	119
U. S. total: percent	37.9	43.8	43.3	35.0	46.7	41.1	43.6	32.9	50.5	41.2	42.0	54.5	50.3	51.3
Study	27.3	57.1	61.5	50.0	52.4	65.2	58.8	50.0	61.7	60.0	52.0	61.6	57.7	62.3
Employment	72.7	42.9	38.5	50.0	47.6	34.8	41.2	50.0	38.3	37.1	48.0	35.6	41.0	34.4
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.7	1.3	3.3
Non-U.S.	41.4	18.8	20.0	32.5	24.4	28.6	34.6	42.4	37.6	51.8	55.5	40.3	44.5	43.7
Unknown location	20.7	37.5	36.7	32.5	28.9	30.4	21.8	24.7	11.8	7.1	2.5	5.2	5.2	5.0
Number planning location														
In the United States														
after Ph.D. ² :	18	11	25	28	38	35	49	59	87	87	86	124	124	103
Percent with definite postdoctoral study ³	22.2	36.4	48.0	46.4	50.0	45.7	44.9	28.8	44.8	35.8	33.7	41.1	39.5	45.6
Percent with definite employment ³	61.1	45.5	40.0	32.1	42.1	34.3	49.0	49.2	31.3	29.9	30.2	33.9	26.6	27.2
Percent seeking postdoctoral study ³	5.6	9.1	12.0	10.7	0.0	17.1	4.1	11.9	6.0	10.4	11.6	11.3	15.3	9.7
Percent seeking employment ³	11.1	9.1	0.0	10.7	7.9	2.9	2.0	10.2	17.9	20.9	22.1	12.1	16.9	13.6
Percent with postdoctoral plans unknown ³	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.3	1.6	1.6	3.9
Number with definite employment plans in United States														
after Ph.D.:	11	5	10	9	18	12	24	29	21	20	20	42	33	28
Primary work activity ³ : percent														
R&D	72.7	D	60.0	55.6	31.3	41.7	50.0	44.8	61.9	50.0	61.5	54.8	60.6	64.3
Teaching	0.0	D	30.0	33.3	25.0	41.7	33.3	34.5	9.5	35.0	26.9	26.2	27.3	17.9
Administrative	0.0	D	0.0	0.0	12.5	0.0	8.3	3.4	4.8	0.0	0.0	0.0	0.0	0.0
Professional services	0.0	D	0.0	11.1	6.3	16.7	8.3	6.9	4.8	0.0	0.0	14.3	6.1	10.7
Other	9.1	D	0.0	0.0	6.3	0.0	0.0	0.0	0.0	5.0	3.8	2.4	3.0	3.6
Unknown	18.2	D	10.0	0.0	18.8	0.0	0.0	10.3	19.0	10.0	7.7	2.4	3.0	3.6
Type of employer: percent ³														
Educational institution ⁶	27.3	D	50.0	77.8	37.5	50.0	62.5	75.9	57.1	75.0	53.8	54.8	60.6	57.1
Industry/business	54.5	D	20.0	11.1	43.8	25.0	33.3	20.7	33.3	20.0	26.9	31.0	24.2	35.7
Government	0.0	D	0.0	11.1	6.3	8.3	0.0	3.4	0.0	5.0	3.8	4.8	6.1	3.6
Nonprofit	0.0	D	10.0	0.0	6.3	16.7	0.0	0.0	9.5	0.0	3.8	2.4	3.0	0.0
Other and unknown	18.2	D	20.0	0.0	6.3	0.0	4.2	0.0	0.0	0.0	11.5	7.1	6.1	3.6

D = data withheld to avoid potential disclosure of confidential information.

¹ Includes East Germany, West Germany, and the united Germany.² This table includes all citizens of Germany who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.³ Sciences and engineering Ph.D.s only.⁴ In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.⁵ Includes only those Ph.D. recipients intending to remain in the United States after graduation.⁶ Includes 2-year and 4-year colleges and universities, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-20. Statistical profile of doctorate recipients from Greece, by year of Ph.D.: 1975, 1980, 1985-96

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Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s¹	60	72	80	111	130	130	146	137	185	168	199	188	197	149
Percent men.....	91.7	81.9	90.0	89.2	89.2	82.3	82.2	83.2	81.6	78.6	80.4	78.7	76.7	78.5
Percent women.....	8.3	18.1	10.0	10.8	10.8	17.7	17.8	16.8	18.4	21.4	19.6	21.3	23.4	21.5
Percent with permanent visa.....	38.3	20.8	31.3	25.2	24.6	20.0	19.2	20.4	17.8	11.9	17.6	12.8	15.2	18.1
Percent with temporary visa.....	61.7	79.2	68.8	74.8	75.4	80.0	80.8	79.6	82.2	88.1	82.4	87.2	84.8	81.9
Percent married.....	61.7	36.1	48.8	42.3	43.1	44.6	39.7	35.8	40.0	34.5	39.7	34.6	28.4	28.2
Percent not married.....	36.7	62.5	51.3	54.1	53.1	53.8	57.5	57.7	49.2	61.3	55.8	60.1	61.9	63.1
Percent unknown.....	1.7	1.4	0.0	3.6	3.8	1.5	2.7	6.6	10.8	4.2	4.5	5.3	9.6	8.7
Median age at Ph.D. in years ²	31.0	29.8	29.6	28.7	29.2	29.3	29.4	29.8	29.9	29.5	29.4	29.7	29.7	29.2
Percent with dependents.....	45.0	27.8	36.3	27.0	30.0	32.3	22.6	22.6	24.3	19.6	18.6	18.1	11.7	13.4
Percent receiving sources of support: percent ^{2,3}														
Personal.....	41.2	34.9	53.6	57.3	56.9	45.8	60.6	59.2	55.0	53.0	47.1	48.5	56.9	60.0
Foreign government.....	0.0	0.0	0.0	0.0	0.8	4.2	1.5	4.0	1.2	2.0	4.0	3.0	2.3	3.8
University.....	88.2	88.9	95.7	96.1	96.7	97.5	97.8	93.6	91.7	98.7	96.6	94.0	96.6	95.4
Teaching assistant.....	66.7	55.6	58.0	60.2	65.0	58.5	67.2	60.8	63.9	73.2	59.8	56.9	70.7	69.2
Research assistant.....	62.7	65.1	72.5	78.6	80.5	75.4	80.3	73.6	71.0	75.8	77.6	76.0	79.9	87.7
Other university.....	29.4	31.7	30.4	31.1	26.8	16.9	23.4	21.6	20.7	26.8	20.7	24.0	20.1	39.2
Other.....	25.5	20.6	15.9	10.7	2.4	6.8	9.5	9.6	7.1	12.8	13.2	9.6	8.0	16.9
Unknown.....	3.9	4.8	1.4	1.9	1.6	2.5	1.5	2.4	5.9	0.7	2.9	4.2	2.3	3.8
Median years from baccalaureate to Ph.D.														
Total time: in years.....	7.3	6.9	7.2	5.9	6.2	6.3	6.3	6.6	6.8	6.8	6.8	6.6	6.9	6.5
Registered time: in years.....	5.0	5.5	5.5	5.1	5.5	5.5	5.7	5.9	5.9	5.9	5.9	5.9	6.0	6.1
Sciences & Engineering: percent.....	85.0	87.5	86.3	92.8	94.6	90.8	93.8	91.2	91.4	88.7	87.4	88.8	88.3	87.2
Physical Sciences.....	23.5	20.6	13.0	18.4	14.6	16.9	14.6	13.6	15.4	19.5	19.0	18.6	20.7	22.3
Earth, Atmospheric, and Ocean sciences.....	3.9	0.0	0.0	1.9	0.8	2.5	1.5	0.0	1.2	0.7	3.4	3.0	0.0	0.0
Mathematics.....	3.9	6.3	11.6	7.8	8.9	5.9	9.5	7.2	7.1	8.7	7.5	9.0	7.5	9.2
Computer/Information sciences.....	0.0	0.0	2.9	2.9	4.9	1.7	1.5	5.6	8.3	6.0	4.6	9.0	11.5	6.9
Engineering.....	29.4	34.9	43.5	47.6	49.6	49.2	51.1	45.6	41.4	39.6	39.1	34.7	35.1	34.6
Biological sciences.....	7.8	12.7	7.2	8.7	4.1	9.3	6.6	8.0	7.1	8.7	8.0	7.8	8.6	8.5
Agricultural sciences.....	9.8	6.3	2.9	0.0	2.4	3.4	0.7	5.6	1.8	0.7	1.7	3.0	1.7	1.5
Psychology and social sciences....	21.6	19.0	18.8	12.6	14.6	11.0	14.6	14.4	17.8	16.1	16.7	15.0	14.9	16.9
Non-sciences and Engineering: percent.....	15.0	12.5	13.8	7.2	5.4	9.2	6.2	8.8	8.6	11.3	12.6	11.2	11.7	12.8
Humanities.....	33.3	33.3	45.5	25.0	28.6	41.7	66.7	58.3	37.5	47.4	24.0	28.6	21.7	36.8
Education.....	33.3	33.3	27.3	25.0	28.6	25.0	11.1	16.7	18.8	26.3	28.0	9.5	21.7	5.3
Health sciences.....	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	25.0	5.3	12.0	9.5	21.7	21.1
Professional and other fields.....	33.3	33.3	27.3	50.0	42.9	25.0	22.2	25.0	18.8	21.1	36.0	52.4	34.8	36.8
Planned location after Ph.D.²														
Number with permanent visas:.....	17	12	22	24	30	21	25	24	29	14	30	18	21	22
U. S. total: percent.....	47.1	83.3	63.6	66.7	73.3	52.4	72.0	66.7	82.8	92.9	80.0	77.8	85.7	77.3
Study.....	50.0	20.0	7.1	18.8	40.9	36.4	33.3	43.8	29.2	61.5	37.5	42.9	44.4	29.4
Employment.....	50.0	80.0	85.7	81.3	59.1	63.6	66.7	50.0	66.7	38.5	62.5	57.1	55.6	64.7
Unknown.....	0.0	0.0	7.1	0.0	0.0	0.0	0.0	6.3	4.2	0.0	0.0	0.0	0.0	5.9
Non-U.S.	5.9	0.0	4.5	12.5	0.0	0.0	8.0	4.2	10.3	7.1	13.3	16.7	14.3	22.7
Unknown location.....	47.1	16.7	31.8	20.8	26.7	47.6	20.0	29.2	6.9	0.0	6.7	5.6	0.0	0.0

See explanatory information, if any, and SOURCE at end of table.

Table B-20. Statistical profile of doctorate recipients from Greece, by year of Ph.D.: 1975, 1980, 1985-96

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Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas:	34	51	47	79	93	97	112	101	140	135	144	149	153	108
U. S. total: percent	29.4	33.3	46.8	51.9	45.2	57.7	33.9	48.5	47.1	51.1	53.5	40.9	52.3	54.6
Study	30.0	47.1	59.1	46.3	57.1	57.1	50.0	51.0	45.5	42.0	50.6	47.5	41.3	49.2
Employment	70.0	52.9	36.4	53.7	42.9	42.9	47.4	49.0	53.0	56.5	46.8	50.8	57.5	47.5
Unknown	0.0	0.0	4.5	0.0	0.0	0.0	2.6	0.0	1.5	1.4	2.6	1.6	1.3	3.4
Non-U.S.	35.3	25.5	25.5	17.7	16.1	7.2	24.1	32.7	32.9	43.7	36.8	52.3	41.8	42.6
Unknown location	35.3	41.2	27.7	30.4	38.7	35.1	42.0	18.8	20.0	5.2	9.7	6.7	5.9	2.8
Number planning location in the United States after Ph.D. ² :	18	27	36	57	64	67	56	65	90	82	101	75	98	76
Percent with definite postdoctoral study ⁴	22.2	29.6	30.6	28.1	46.9	40.3	41.1	35.4	26.7	29.3	31.7	34.7	23.5	32.9
Percent with definite employment ⁴	55.6	59.3	44.4	52.6	45.3	43.3	48.2	38.5	42.2	30.5	34.7	37.3	34.7	34.2
Percent seeking postdoctoral study ⁴	16.7	7.4	8.3	10.5	4.7	13.4	3.6	13.8	14.4	15.9	15.8	12.0	18.4	11.8
Percent seeking employment ⁴	5.6	3.7	11.1	8.8	3.1	3.0	5.4	10.8	14.4	23.2	15.8	14.7	22.4	17.1
Percent with postdoctoral plans unknown ⁴	0.0	0.0	5.6	0.0	0.0	0.0	1.8	1.5	2.2	1.2	2.0	1.3	1.0	3.9
Number with definite employment plans in United States after Ph.D.:	10	18	18	30	29	28	27	25	38	25	35	28	34	28
Primary work activity ² : percent														
R&D	60.0	50.0	43.8	53.3	69.0	34.5	63.0	60.0	55.3	64.0	57.1	50.0	76.5	53.8
Teaching	30.0	43.8	31.3	36.7	20.7	44.8	33.3	12.0	31.6	28.0	25.7	25.0	14.7	26.9
Administrative	0.0	0.0	6.3	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	3.8
Professional services	0.0	6.3	0.0	3.3	10.3	3.4	0.0	4.0	2.6	4.0	5.7	10.7	2.9	11.5
Other	0.0	0.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0
Unknown	10.0	0.0	18.8	6.7	0.0	10.3	3.7	20.0	10.5	4.0	11.4	7.1	5.9	3.8
Type of employer: percent ²														
Educational institution ⁵	60.0	81.3	62.5	63.3	75.9	79.3	74.1	40.0	63.2	52.0	51.4	42.9	50.0	42.3
Industry/business	30.0	12.5	25.0	36.7	20.7	20.7	22.2	56.0	36.8	48.0	40.0	53.6	47.1	50.0
Government	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	3.6	0.0	3.8
Nonprofit	0.0	0.0	6.3	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0
Other and unknown	10.0	6.3	6.3	0.0	0.0	0.0	3.7	4.0	0.0	0.0	5.7	0.0	0.0	3.8

¹This table includes all citizens of Greece who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.²Sciences and engineering Ph.D.s only.³In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.⁴Includes only those Ph.D. recipients intending to remain in the United States after graduation.⁵Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-21. Statistical profile of doctorate recipients from India, by year of Ph.D.: 1975, 1980, 1985-96

Page 1 of 2

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s¹.....	659	420	541	579	602	647	679	881	924	1,072	1,139	1,289	1,425	1,481
Percent men.....	92.1	90.0	88.4	86.2	84.6	87.0	82.9	82.9	81.3	79.6	79.3	78.0	77.2	78.6
Percent women.....	7.9	10.0	11.6	13.8	15.4	13.0	17.1	17.1	18.7	20.4	20.7	22.0	22.8	21.4
Percent with permanent visa.....	29.6	19.8	19.0	18.3	18.4	18.9	19.4	19.0	15.3	18.3	17.2	17.6	15.4	16.4
Percent with temporary visa.....	70.4	80.2	81.0	81.7	81.6	81.1	80.6	81.0	84.7	81.7	82.8	82.4	84.6	83.6
Percent married.....	60.7	45.7	50.3	54.9	52.8	50.9	52.3	54.4	51.4	53.5	50.7	47.5	48.0	52.7
Percent not married.....	38.4	53.3	47.5	40.6	43.5	45.1	44.9	39.8	39.9	38.3	40.9	43.3	42.9	41.5
Percent unknown.....	0.9	1.0	2.2	4.5	3.7	4.0	2.8	5.8	8.7	8.1	8.4	9.2	9.1	5.7
Median age at Ph.D. in years ²	29.8	29.2	29.7	29.8	29.7	29.7	29.6	29.8	29.8	29.7	29.8	29.6	29.7	29.7
Percent with dependents.....	46.3	41.0	41.4	44.2	41.4	41.3	40.2	43.2	38.6	38.3	35.7	33.1	34.0	35.3
Percent receiving sources of support: percent ^{2,3}														
Personal.....	34.7	28.0	28.2	29.4	27.2	30.2	32.3	31.4	27.4	29.0	28.7	28.1	25.9	39.4
Foreign government.....	0.0	0.0	0.0	0.0	1.0	1.0	1.1	0.6	1.1	0.6	0.9	0.7	0.7	1.2
University.....	91.4	94.3	95.0	97.0	95.8	96.3	96.6	94.5	93.1	95.7	95.8	93.4	93.4	94.9
Teaching assistant.....	52.1	59.8	59.2	67.6	69.2	64.0	61.9	61.2	63.0	66.3	67.2	65.1	59.3	68.4
Research assistant.....	72.2	74.4	72.5	74.0	73.6	78.8	80.2	78.2	75.1	78.6	78.2	75.9	78.5	83.9
Other university.....	22.2	22.4	19.4	19.8	19.9	21.2	21.8	19.7	17.4	17.4	20.5	16.6	17.6	26.2
Other.....	18.6	15.9	7.4	9.0	6.0	6.3	8.4	4.8	6.6	7.1	8.2	8.8	7.9	9.7
Unknown.....	2.2	1.1	2.8	0.6	2.2	1.7	2.1	3.8	5.6	2.9	2.8	5.1	5.5	4.1
Median years from baccalaureate to Ph.D.														
Total time: in years.....	9.3	8.5	8.6	9.0	8.8	8.8	8.5	8.5	8.1	8.3	8.4	8.4	8.4	8.3
Registered time: in years.....	6.2	6.3	6.4	6.6	6.6	6.7	6.9	6.8	6.6	6.8	6.9	6.9	6.9	6.9
Sciences & Engineering: percent.....	88.0	88.3	84.7	81.0	83.6	80.4	78.9	80.7	81.4	80.3	81.9	82.6	84.7	84.9
Physical Sciences.....	16.7	24.5	23.4	24.7	19.9	20.0	17.4	16.5	11.6	15.7	12.5	13.4	10.2	11.9
Earth, Atmospheric, and Ocean sciences.....	2.2	0.5	1.1	1.9	1.2	0.8	1.7	1.4	1.1	0.7	1.1	1.2	1.4	1.4
Mathematics.....	4.1	3.8	3.1	3.4	5.4	2.3	3.2	2.1	4.3	3.1	4.0	4.3	3.0	3.1
Computer/Information sciences.....	0.0	0.8	3.9	6.0	7.6	7.1	8.4	9.6	9.3	8.8	9.7	10.6	11.0	9.1
Engineering.....	50.2	49.6	46.3	43.5	40.6	49.0	46.8	44.2	47.5	47.0	48.0	45.1	47.4	49.1
Biological sciences.....	8.4	9.7	9.4	8.5	11.5	10.4	12.9	12.5	12.1	11.7	11.9	13.0	12.7	13.1
Agricultural sciences.....	7.8	2.4	2.8	2.6	1.2	2.1	1.5	2.8	2.1	2.3	1.8	2.0	3.1	2.1
Psychology and social sciences....	10.5	8.6	10.0	9.4	12.7	8.3	8.2	11.0	12.1	10.6	11.0	10.4	11.3	10.2
Non-sciences and														
Engineering: percent.....	12.0	11.7	15.3	19.0	16.4	19.6	21.1	19.3	18.6	19.7	18.1	17.4	15.3	15.1
Humanities.....	31.6	22.4	7.2	15.5	17.2	14.2	16.8	13.5	12.8	13.3	13.1	12.5	14.7	12.1
Education.....	21.5	30.6	13.3	5.5	9.1	14.2	4.9	8.2	6.4	12.8	8.7	7.1	9.6	9.9
Health sciences.....	17.7	10.2	13.3	13.6	14.1	8.7	16.8	15.3	11.0	14.7	15.1	21.4	17.4	17.5
Professional and other fields.....	29.1	36.7	66.3	65.5	59.6	63.0	61.5	62.9	69.8	59.2	63.1	58.9	58.3	60.5
Planned location after Ph.D.²														
Number with permanent visas:.....	162	63	74	70	87	84	94	119	108	148	142	173	168	199
U. S. total: percent.....	64.8	73.0	67.6	71.4	58.6	67.9	64.9	73.1	88.9	91.9	92.3	93.6	94.1	96.0
Study.....	28.6	28.3	30.0	34.0	29.4	31.6	39.3	43.7	30.2	41.9	35.1	31.5	36.1	34.0
Employment.....	70.5	71.7	70.0	64.0	70.6	68.4	60.7	56.3	67.7	55.2	60.3	64.8	60.1	63.4
Unknown.....	1.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.1	2.9	4.6	3.7	3.8	2.6
Non-U.S.....	3.1	0.0	0.0	4.3	2.3	1.2	1.1	0.8	5.6	5.4	4.9	2.9	1.8	1.5
Unknown location.....	32.1	27.0	32.4	24.3	39.1	31.0	34.0	26.1	5.6	2.7	2.8	3.5	4.2	2.5

See explanatory information, if any, and SOURCE at end of table.

Table B-21. Statistical profile of doctorate recipients from India, by year of Ph.D.: 1975, 1980, 1985-96

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Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas:	418	308	384	399	416	436	442	592	644	713	791	892	1,039	1,059
U.S. total: percent	52.9	71.1	72.7	70.9	70.2	74.3	71.5	64.4	71.1	79.7	79.4	79.5	81.4	84.1
Study	47.1	49.3	55.2	53.4	52.4	54.0	52.8	42.3	39.7	42.8	42.8	45.1	44.7	39.8
Employment	52.0	49.8	44.8	45.6	46.6	45.7	45.6	57.0	59.2	55.3	54.9	52.3	53.8	59.4
Unknown	0.9	0.9	0.0	1.1	1.0	0.3	1.6	0.8	1.1	1.9	2.2	2.5	1.5	0.8
Non-U.S.	19.1	8.1	7.0	7.3	7.2	6.4	3.2	15.0	16.3	14.7	14.7	14.6	12.3	9.6
Unknown location	28.0	20.8	20.3	21.8	22.6	19.3	25.3	20.6	12.6	5.6	5.9	5.9	6.3	6.2
Number planning location in the United States after Ph.D. ² :	328	265	329	333	343	381	377	488	554	704	759	871	1,004	1,082
Percent with definite postdoctoral study ⁴ :	26.1	33.6	37.4	41.1	41.1	42.5	41.1	33.8	27.6	29.4	24.2	26.3	28.4	27.3
Percent with definite employment ⁴ :	52.1	46.0	41.6	43.5	46.4	44.1	43.8	45.7	45.8	39.6	36.5	35.0	34.4	42.1
Percent seeking postdoctoral study ⁴ :	15.0	12.1	14.0	9.3	7.9	8.1	9.5	8.8	10.5	13.2	17.3	16.3	14.9	11.6
Percent seeking employment ⁴ :	5.8	7.5	7.0	4.8	3.8	5.0	4.2	11.1	14.8	15.6	19.4	19.6	20.4	17.9
Percent with postdoctoral plans unknown ⁴ :	0.9	0.8	0.0	1.2	0.9	0.3	1.3	0.6	1.3	2.1	2.6	2.8	1.9	1.1
Number with definite employment plans in United States after Ph.D.:	170	122	137	145	159	168	165	214	254	279	277	305	345	458
Primary work activity ² : percent														
R&D	57.1	65.6	62.0	59.3	62.3	64.9	63.0	66.8	67.7	66.7	62.8	62.6	68.7	69.7
Teaching	21.2	21.3	24.8	29.7	27.7	21.4	22.4	16.8	15.4	14.7	14.8	14.8	11.3	9.9
Administrative	0.0	0.8	0.0	1.4	0.0	0.0	0.6	1.4	0.8	1.1	0.0	0.7	0.6	0.7
Professional services	7.1	4.1	5.1	3.4	4.4	4.2	4.8	2.8	4.7	7.5	6.9	5.9	6.1	13.4
Other	2.9	0.0	0.7	0.7	0.6	1.2	1.8	0.9	1.2	2.2	1.8	2.0	4.9	4.0
Unknown	11.8	8.2	7.3	5.5	5.0	8.3	7.3	11.2	10.2	7.9	13.7	14.1	8.4	2.4
Type of employer: percent ²														
Educational institution ⁵	27.6	32.0	44.5	46.9	54.7	47.0	46.1	41.1	35.0	31.5	32.5	28.2	22.0	15.8
Industry/business	62.4	59.8	47.4	47.6	41.5	48.2	49.1	54.2	59.1	62.4	59.2	63.9	70.4	79.2
Government	0.6	5.7	2.2	2.1	1.9	2.4	2.4	1.9	2.4	1.8	2.2	2.3	2.0	1.5
Nonprofit	7.1	2.5	3.7	1.4	1.3	0.6	2.4	1.9	1.6	2.5	3.6	3.3	2.6	2.0
Other and unknown	2.4	0.0	2.2	2.1	0.6	1.8	0.0	0.9	2.0	1.8	2.5	2.3	2.9	1.5

¹This table includes all citizens of India who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.²Sciences and engineering Ph.D.s only.³In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.⁴Includes only those Ph.D. recipients intending to remain in the United States after graduation.⁵Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-22. Statistical profile of doctorate recipients from Italy, by year of Ph.D.: 1975, 1980, 1985-96

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Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s¹	21	19	55	58	59	77	77	88	115	99	101	108	116	102
Percent men.....	81.0	94.7	80.0	70.7	67.8	71.4	66.2	69.3	61.7	67.7	58.4	62.0	69.0	62.7
Percent women.....	19.0	5.3	20.0	29.3	32.2	28.6	33.8	30.7	38.3	32.3	41.6	38.0	31.0	37.3
Percent with permanent visa.....	23.8	36.8	25.5	13.8	27.1	18.2	28.6	14.8	27.8	21.2	20.8	23.1	20.7	18.6
Percent with temporary visa.....	76.2	63.2	74.5	86.2	72.9	81.8	71.4	85.2	72.2	78.8	79.2	76.9	79.3	81.4
Percent married.....	71.4	73.7	47.3	44.8	47.5	33.8	45.5	37.5	47.8	40.4	41.6	41.7	37.1	35.3
Percent not married.....	23.8	26.3	49.1	51.7	50.8	64.9	51.9	58.0	47.8	49.5	49.5	50.0	55.2	60.8
Percent unknown.....	4.8	0.0	3.6	3.4	1.7	1.3	2.6	4.5	4.3	10.1	8.9	8.3	7.8	3.9
Median age at Ph.D. in years ²	30.4	32.0	31.4	30.2	30.8	31.0	31.7	30.4	31.1	31.8	31.1	32.3	30.7	32.1
Percent with dependents.....	47.6	47.4	29.1	27.6	25.4	18.2	26.0	21.6	24.3	25.3	22.8	25.0	23.3	24.5
Percent receiving sources of support: percent ^{2,3}														
Personal.....	21.4	40.0	51.1	55.1	54.3	52.4	57.1	50.8	52.3	49.3	53.9	61.4	50.6	55.8
Foreign government.....	0.0	0.0	0.0	0.0	15.2	22.2	17.9	23.8	18.6	19.2	21.1	32.5	22.2	29.9
University.....	92.9	80.0	91.1	95.9	93.5	88.9	96.4	88.9	87.2	91.8	86.8	94.0	93.8	94.8
Teaching assistant.....	42.9	20.0	51.1	61.2	52.2	55.6	66.1	46.0	53.5	68.5	63.2	63.9	67.9	70.1
Research assistant.....	64.3	53.3	48.9	67.3	71.7	65.1	66.1	66.7	58.1	63.0	59.2	57.8	55.6	71.4
Other university.....	28.6	40.0	37.8	30.6	34.8	27.0	33.9	23.8	27.9	23.3	22.4	28.9	23.5	44.2
Other.....	42.9	40.0	40.0	38.8	21.7	30.2	17.9	15.9	24.4	20.5	25.0	22.9	16.0	36.4
Unknown.....	0.0	0.0	6.7	2.0	2.2	3.2	0.0	1.6	2.3	2.7	5.3	3.6	3.7	1.3
Median years from baccalaureate to Ph.D.														
Total time: in years.....	7.0	7.6	8.7	6.8	6.8	7.2	7.4	7.1	7.1	7.5	7.1	7.4	7.5	7.5
Registered time: in years.....	4.8	5.8	5.4	5.2	5.0	5.3	5.3	5.8	5.6	6.4	5.7	6.1	5.8	5.9
Sciences & Engineering: percent.....	66.7	78.9	81.8	84.5	78.0	81.8	72.7	71.6	74.8	73.7	75.2	76.9	69.8	75.5
Physical Sciences.....	21.4	6.7	26.7	18.4	17.4	23.8	12.5	23.8	23.3	19.2	19.7	10.8	16.0	14.3
Earth, Atmospheric, and Ocean sciences.....	0.0	0.0	4.4	6.1	6.5	4.8	5.4	3.2	1.2	4.1	2.6	2.4	1.2	3.9
Mathematics.....	14.3	13.3	17.8	16.3	10.9	12.7	17.9	14.3	10.5	20.5	18.4	16.9	27.2	15.6
Computer/Information sciences.....	0.0	20.0	0.0	0.0	0.0	4.8	3.6	1.6	4.7	8.2	5.3	3.6	3.7	2.6
Engineering.....	14.3	13.3	15.6	16.3	21.7	11.1	26.8	22.2	14.0	13.7	13.2	13.3	11.1	10.4
Biological sciences.....	21.4	6.7	6.7	12.2	13.0	4.8	7.1	11.1	12.8	4.1	11.8	13.3	8.6	11.7
Agricultural sciences.....	0.0	13.3	4.4	4.1	2.2	1.6	0.0	0.0	0.0	2.7	0.0	2.4	3.7	2.6
Psychology and social sciences.....	28.6	26.7	24.4	26.5	28.3	36.5	26.8	23.8	33.7	27.4	28.9	37.3	28.4	39.0
Non-sciences and Engineering: percent.....	33.3	21.1	18.2	15.5	22.0	18.2	27.3	28.4	25.2	26.3	24.8	23.1	30.2	24.5
Humanities.....	100.0	100.0	90.0	77.8	100.0	50.0	85.7	88.0	86.2	73.1	80.0	92.0	77.1	84.0
Education.....	0.0	0.0	10.0	11.1	0.0	21.4	4.8	0.0	3.4	0.0	0.0	4.0	5.7	4.0
Health sciences.....	0.0	0.0	0.0	0.0	0.0	7.1	0.0	12.0	3.4	7.7	4.0	0.0	8.6	4.0
Professional and other fields.....	0.0	0.0	0.0	11.1	0.0	21.4	9.5	0.0	6.9	19.2	16.0	4.0	8.6	8.0
Planned location after Ph.D.²														
Number with permanent visas:.....	2	5	11	6	10	9	11	5	17	12	14	16	11	11
U. S. total: percent.....	D	D	36.4	50.0	70.0	55.6	54.5	D	70.6	100.0	78.6	93.8	72.7	63.6
Study.....	D	D	25.0	33.3	42.9	60.0	16.7	D	33.3	41.7	63.6	33.3	62.5	57.1
Employment.....	D	D	75.0	66.7	57.1	40.0	83.3	D	66.7	58.3	36.4	60.0	37.5	42.9
Unknown.....	D	D	0.0	0.0	0.0	0.0	0.0	D	0.0	0.0	0.0	6.7	0.0	0.0
Non-U.S.....	D	D	18.2	0.0	0.0	0.0	9.1	D	11.8	0.0	0.0	6.3	27.3	36.4
Unknown location.....	D	D	45.5	50.0	30.0	44.4	36.4	D	17.6	0.0	21.4	0.0	0.0	0.0

See explanatory information, if any, and SOURCE at end of table.

Table B-22. Statistical profile of doctorate recipients from Italy, by year of Ph.D.: 1975, 1980, 1985-96

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Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas:	12	10	34	43	36	54	45	58	69	61	62	67	70	66
U. S. total: percent.....	33.3	20.0	32.4	44.2	27.8	44.4	28.9	34.5	36.2	41.0	30.6	40.3	41.4	40.9
Study.....	0.0	50.0	54.5	57.9	40.0	37.5	53.8	60.0	52.0	44.0	47.4	48.1	51.7	70.4
Employment.....	100.0	50.0	45.5	42.1	60.0	62.5	46.2	40.0	48.0	56.0	52.6	51.9	44.8	29.6
Unknown.....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0
Non-U.S.....	66.7	60.0	47.1	37.2	41.7	46.3	51.1	48.3	55.1	52.5	61.3	56.7	54.3	53.0
Unknown location.....	0.0	20.0	20.6	18.6	30.6	9.3	20.0	17.2	8.7	6.6	8.1	3.0	4.3	6.1
Number planning location														
In the United States														
after Ph.D. ² :	6	5	15	22	17	29	19	23	37	37	30	42	37	34
Percent with definite postdoctoral study ⁴	16.7	D	33.3	50.0	29.4	34.5	15.8	30.4	32.4	24.3	46.7	21.4	37.8	47.1
Percent with definite employment ⁴	83.3	D	40.0	45.5	52.9	55.2	57.9	34.8	48.6	43.2	30.0	28.6	21.6	17.6
Percent seeking postdoctoral study ⁴	0.0	D	13.3	4.5	11.8	6.9	26.3	30.4	13.5	18.9	6.7	21.4	16.2	20.6
Percent seeking employment ⁴	0.0	D	13.3	0.0	5.9	3.4	0.0	4.3	5.4	13.5	16.7	26.2	21.6	14.7
Percent with postdoctoral plans unknown ⁴	0.0	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.7	0.0
Number with definite employment plans in United States														
after Ph.D.:	5	2	6	10	9	16	11	8	18	16	9	12	8	6
Primary work activity ² : percent.....														
R&D.....	D	D	66.7	60.0	44.4	68.8	54.5	50.0	61.1	43.8	55.6	66.7	25.0	83.3
Teaching.....	D	D	33.3	30.0	22.2	18.8	27.3	37.5	16.7	37.5	11.1	8.3	50.0	16.7
Administrative.....	D	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Professional services.....	D	D	0.0	10.0	33.3	0.0	0.0	12.5	5.6	6.3	0.0	8.3	0.0	0.0
Other.....	D	D	0.0	0.0	0.0	6.3	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unknown.....	D	D	0.0	0.0	0.0	6.3	0.0	0.0	16.7	12.5	33.3	16.7	25.0	0.0
Type of employer: percent ²														
Educational institution ⁵	D	D	83.3	60.0	44.4	81.3	54.5	62.5	61.1	75.0	55.6	58.3	100.0	50.0
Industry/business.....	D	D	16.7	20.0	33.3	6.3	36.4	25.0	22.2	18.8	33.3	8.3	0.0	33.3
Government.....	D	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0
Nonprofit.....	D	D	0.0	0.0	22.2	0.0	0.0	12.5	11.1	0.0	11.1	8.3	0.0	0.0
Other and unknown.....	D	D	0.0	20.0	0.0	12.5	9.1	0.0	5.6	6.3	0.0	16.7	0.0	16.7

D = data withheld to avoid potential disclosure of confidential information.

¹This table includes all citizens of Italy who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.²Sciences and engineering Ph.D.s only.³In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.⁴Includes only those Ph.D. recipients intending to remain in the United States after graduation.⁵Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.**SOURCE:** National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-23. Statistical profile of doctorate recipients from Korea¹, by year of Ph.D.: 1975, 1980, 1985-96

Page 1 of 2

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s²	190	158	392	493	681	790	933	1,259	1,397	1,474	1,409	1,475	1,306	1,251
Percent men.....	91.6	90.5	87.8	89.5	88.5	88.9	86.1	86.6	84.3	85.2	84.7	82.9	81.2	82.3
Percent women.....	8.4	9.5	12.2	10.5	11.5	11.1	13.9	13.4	15.7	14.8	15.3	17.2	18.8	17.7
Percent with permanent visa.....	44.7	23.4	16.1	11.8	8.2	8.7	7.9	7.6	8.7	8.3	9.3	9.4	10.0	11.1
Percent with temporary visa.....	55.3	76.6	83.9	88.2	91.8	91.3	92.1	92.5	91.3	91.7	90.7	90.6	90.0	88.9
Percent married.....	85.8	84.8	86.0	87.2	87.2	88.1	88.3	85.5	82.1	83.7	83.4	81.7	79.8	76.1
Percent not married.....	13.7	13.9	11.5	11.8	11.2	11.3	11.3	10.9	12.5	12.5	12.5	14.5	15.5	18.2
Percent unknown.....	0.5	1.3	2.6	1.0	1.6	0.6	0.4	3.6	5.4	3.9	4.1	3.8	4.7	5.7
Median age at Ph.D. in years ³	33.2	32.9	33.4	33.1	33.0	33.1	33.1	33.2	33.3	33.5	33.5	33.8	33.8	33.8
Percent with dependents.....	68.4	72.8	81.9	82.2	80.8	82.8	83.0	80.6	77.7	77.9	78.6	76.4	74.0	72.6
Percent receiving sources of support: percent ^{3,4}														
Personal.....	44.2	53.8	79.7	78.4	72.7	75.0	75.7	72.4	72.7	76.6	73.3	74.1	74.1	79.9
Foreign government.....	0.0	0.0	0.0	0.0	5.8	9.3	7.6	7.9	5.1	6.5	7.0	5.7	5.6	7.9
University.....	93.5	92.4	89.5	93.3	92.4	95.3	93.6	89.2	90.1	91.6	89.5	89.2	87.3	88.6
Teaching assistant.....	48.7	49.2	39.1	48.0	50.3	53.9	50.9	47.5	47.3	46.9	46.5	46.0	46.1	49.5
Research assistant.....	71.4	66.7	67.4	71.1	72.9	74.6	72.6	70.5	71.7	71.0	72.6	70.7	67.1	71.6
Other university.....	27.9	28.0	19.1	19.2	16.4	15.9	13.1	15.1	9.9	14.6	14.3	13.3	12.6	20.5
Other.....	18.8	9.1	17.2	16.4	12.8	5.8	8.2	5.7	7.0	6.4	7.0	7.0	5.6	8.9
Unknown.....	1.3	2.3	3.4	0.7	2.4	1.6	1.5	4.5	5.2	3.6	3.7	4.4	5.8	5.4
Median years from baccalaureate to Ph.D.														
Total time: in years.....	10.3	9.8	10.5	10.3	10.3	10.2	10.0	10.0	10.3	10.5	10.4	10.8	10.8	10.8
Registered time: in years.....	6.3	6.5	6.8	6.8	6.5	6.8	6.9	7.3	7.3	7.5	7.5	7.6	7.8	7.6
Sciences & Engineering: percent.....	81.1	83.5	82.9	81.5	80.6	78.6	80.7	77.8	79.7	76.5	79.7	78.0	77.0	78.3
Physical Sciences.....	15.6	17.4	16.0	16.2	16.2	15.8	15.1	16.9	13.9	11.5	11.5	15.8	15.1	15.0
Earth, Atmospheric, and Ocean sciences.....	4.5	2.3	2.5	1.0	2.9	1.9	1.1	2.4	1.9	1.8	1.5	1.1	2.3	1.8
Mathematics.....	7.8	3.8	4.3	4.5	5.3	5.0	3.7	4.4	4.4	5.1	3.7	3.0	4.4	4.9
Computer/Information sciences.....														
0.8	2.8	2.0	2.4	3.4	2.3	3.3	4.0	4.3	3.4	4.9	3.6	5.9		
Engineering.....	31.8	31.1	40.9	43.5	43.4	41.4	40.9	36.8	39.1	38.8	43.1	37.3	34.2	33.0
Biological sciences.....	7.1	6.8	7.4	7.0	8.0	9.2	8.6	10.5	9.6	10.6	12.2	13.2	12.5	12.2
Agricultural sciences.....	6.5	3.8	3.7	2.7	3.8	4.0	4.3	4.2	4.1	4.0	3.5	3.0	3.3	4.0
Psychology and social sciences....	26.6	34.1	22.5	23.1	18.0	19.3	24.0	21.7	23.1	24.1	21.1	21.6	24.6	23.2
Non-sciences and Engineering: percent.....	18.9	16.5	17.1	18.5	19.4	21.4	19.3	22.2	20.3	23.5	20.3	22.0	23.1	21.7
Humanities.....	16.7	23.1	17.9	18.7	13.6	15.4	14.4	15.0	14.8	17.3	21.0	20.6	24.3	23.9
Education.....	38.9	57.7	19.4	22.0	28.0	27.2	29.4	24.3	25.8	25.4	25.2	25.9	24.9	24.6
Health sciences.....	11.1	3.8	4.5	4.4	2.3	1.8	6.1	4.3	4.6	6.1	7.3	7.1	6.3	10.7
Professional and other fields.....	33.3	15.4	58.2	54.9	56.1	55.6	50.0	56.4	54.8	51.3	46.5	46.5	44.5	40.8
Planned location after Ph.D.³														
Number with permanent visas:.....	69	34	47	46	36	49	52	70	91	83	91	99	87	93
U. S. total: percent.....	60.9	58.8	42.6	43.5	38.9	51.0	51.9	45.7	63.7	65.1	65.9	70.7	59.8	62.4
Study.....	38.1	40.0	55.0	60.0	78.6	40.0	63.0	46.9	46.6	61.1	51.7	57.1	46.2	41.4
Employment.....	59.5	60.0	45.0	40.0	21.4	52.0	37.0	53.1	51.7	35.2	48.3	42.9	50.0	58.6
Unknown.....	2.4	0.0	0.0	0.0	0.0	8.0	0.0	0.0	1.7	3.7	0.0	0.0	3.9	0.0
Non-U.S.....	2.9	11.8	17.0	19.6	11.1	4.1	11.5	21.4	24.2	28.9	28.6	26.3	33.3	35.5
Unknown location.....	36.2	29.4	40.4	37.0	50.0	44.9	36.5	32.9	12.1	6.0	5.5	3.0	6.9	2.2

See explanatory information, if any, and SOURCE at end of table.

Table B-23. Statistical profile of doctorate recipients from Korea¹, by year of Ph.D.: 1975, 1980, 1985-96

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Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas:	85	98	278	356	513	572	701	909	1,023	1,044	1,032	1,051	918	886
U. S. total: percent	35.3	44.9	32.0	36.8	35.5	39.2	37.1	30.4	32.7	30.6	32.4	34.9	36.7	35.0
Study	46.7	75.0	67.4	69.5	68.7	74.1	75.4	73.6	69.8	67.7	74.3	76.0	76.6	76.1
Employment	53.3	25.0	31.5	29.8	30.8	25.0	24.2	26.1	29.9	30.4	24.0	22.9	21.7	21.6
Unknown	0.0	0.0	1.1	0.8	0.5	0.9	0.4	0.4	0.3	1.9	1.8	1.1	1.8	2.3
Non-U.S.	41.2	36.7	38.5	34.6	29.6	30.4	30.2	50.8	55.6	63.8	62.9	59.1	57.6	58.4
Unknown location	23.5	18.4	29.5	28.7	34.9	30.4	32.7	18.8	11.7	5.7	4.8	6.0	5.7	6.7
Number planning location														
In the United States														
after Ph.D. ³ :	72	64	109	151	196	249	287	308	392	373	394	437	389	368
Percent with definite postdoctoral study ⁵	31.9	51.6	48.6	59.6	54.1	56.2	60.6	51.0	44.4	42.6	40.9	41.9	45.0	49.5
Percent with definite employment ⁵	48.6	32.8	28.4	29.8	25.0	22.9	22.0	22.1	17.9	16.4	10.2	11.0	9.0	15.0
Percent seeking postdoctoral study ⁵	9.7	12.5	16.5	8.6	15.3	14.5	13.6	19.8	21.9	24.1	30.0	31.1	27.5	21.2
Percent seeking employment ⁵	8.3	3.1	5.5	1.3	5.1	4.8	3.5	6.8	15.3	14.8	17.5	15.1	16.5	12.5
Percent with postdoctoral plans unknown ⁵	1.4	0.0	0.9	0.7	0.5	1.6	0.3	0.3	0.5	2.1	1.5	0.9	2.1	1.9
Number with definite employment plans in United States														
after Ph.D.:	35	21	31	45	49	57	63	68	70	61	40	48	35	55
Primary work activity ³ : percent														
R&D	62.9	47.6	67.7	51.1	73.5	42.1	49.2	72.1	68.6	62.3	75.0	62.5	45.7	81.8
Teaching	25.7	14.3	22.6	44.4	18.4	49.1	36.5	20.6	25.7	16.4	15.0	20.8	34.3	12.7
Administrative	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0
Professional services	2.9	4.8	3.2	0.0	0.0	1.8	4.8	4.4	2.9	4.9	2.5	2.1	11.4	1.8
Other	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	1.8
Unknown	8.6	28.6	6.5	4.4	6.1	7.0	9.5	2.9	2.9	16.4	7.5	10.4	8.6	1.8
Type of employer: percent ³														
Educational institution ⁶	37.1	28.6	38.7	60.0	53.1	66.7	63.5	44.1	50.0	45.9	45.0	43.8	51.4	36.4
Industry/business	57.1	57.1	51.6	31.1	40.8	29.8	31.7	45.6	41.4	39.3	45.0	41.7	42.9	58.2
Government	2.9	4.8	6.5	6.7	2.0	1.8	4.8	2.9	2.9	6.6	2.5	8.3	0.0	1.8
Nonprofit	2.9	4.8	3.2	2.2	2.0	0.0	0.0	4.4	1.4	3.3	5.0	6.3	5.7	1.8
Other and unknown	0.0	4.8	0.0	0.0	2.0	1.8	0.0	2.9	4.3	4.9	2.5	0.0	0.0	1.8

¹Includes all responses for South Korea, North Korea, and unspecified Korean locations.²This table includes all citizens of Korea who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.³Sciences and engineering Ph.D.s only.⁴In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.⁵Includes only those Ph.D. recipients intending to remain in the United States after graduation.⁶Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.**SOURCE:** National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-24. Statistical profile of doctorate recipients from Mexico, by year of Ph.D.: 1975, 1980, 1985-96

Page 1 of 2

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s¹.....	52	67	121	120	103	107	136	130	156	149	162	178	161	180
Percent men.....	88.5	92.5	81.8	85.8	84.5	89.7	82.4	83.8	79.5	81.2	79.0	70.8	82.0	82.8
Percent women.....	11.5	7.5	18.2	14.2	15.5	10.3	17.6	16.2	20.5	18.8	21.0	29.2	18.0	17.2
Percent with permanent visa.....	13.5	9.0	12.4	17.5	14.6	16.8	16.9	19.2	18.6	16.1	21.6	16.9	19.9	15.6
Percent with temporary visa.....	86.5	91.0	87.6	82.5	85.4	83.2	83.1	80.8	81.4	83.9	78.4	83.1	80.1	84.4
Percent married.....	67.3	77.6	72.7	72.5	63.1	67.3	73.5	62.3	58.3	61.7	64.2	61.8	73.3	67.8
Percent not married.....	30.8	19.4	26.4	25.8	32.0	29.0	25.7	29.2	37.2	33.6	32.7	31.5	21.7	28.9
Percent unknown.....	1.9	3.0	0.8	1.7	4.9	3.7	0.7	8.5	4.5	4.7	3.1	6.7	5.0	3.3
Median age at Ph.D. in years ²	31.3	31.2	32.9	31.4	31.7	33.0	32.8	32.8	33.9	35.0	33.8	33.9	35.8	35.3
Percent with dependents.....	48.1	65.7	69.4	67.5	59.2	63.6	66.2	59.2	56.4	59.1	58.6	52.8	65.8	65.0
Percent receiving sources of support: percent ^{2,3}														
Personal.....	26.3	38.6	38.6	40.2	48.8	51.1	42.5	46.2	38.3	42.6	43.2	32.4	38.3	53.8
Foreign government.....	0.0	0.0	0.0	0.0	36.0	50.0	53.3	44.2	40.6	45.2	44.6	45.1	51.6	61.4
University.....	73.7	56.1	70.3	69.1	75.6	82.6	85.8	81.7	75.8	83.5	77.7	74.6	68.0	79.1
Teaching assistant.....	31.6	26.3	29.7	32.0	40.7	35.9	49.2	45.2	39.8	45.2	42.4	39.4	32.8	50.0
Research assistant.....	52.6	35.1	43.6	49.5	52.3	56.5	55.8	53.8	48.4	58.3	54.0	49.3	46.9	55.1
Other university.....	26.3	8.8	19.8	27.8	17.4	13.0	25.8	14.4	22.7	25.2	21.6	16.9	13.3	34.8
Other.....	71.1	66.7	60.4	50.5	18.6	17.4	19.2	18.3	16.4	25.2	15.1	19.7	24.2	29.7
Unknown.....	5.3	5.3	3.0	6.2	5.8	1.1	1.7	7.7	4.7	2.6	3.6	4.9	4.7	3.8
Median years from baccalaureate to Ph.D.														
Total time: in years.....	8.4	7.8	9.3	9.0	9.3	9.1	10.0	9.0	9.9	11.5	10.3	10.3	11.7	11.7
Registered time: in years.....	5.0	5.0	5.5	5.5	5.9	5.7	5.9	6.4	6.6	6.8	7.0	6.7	6.6	6.9
Sciences & Engineering: percent.....	73.1	85.1	83.5	80.8	83.5	86.0	88.2	80.0	82.1	77.2	85.8	79.8	79.5	87.8
Physical Sciences.....	10.5	7.0	11.9	15.5	16.3	12.0	5.0	10.6	10.9	10.4	10.8	9.2	5.5	8.2
Earth, Atmospheric, and Ocean sciences.....	10.5	12.3	3.0	0.0	7.0	3.3	6.7	5.8	3.1	3.5	7.9	4.9	6.3	6.3
Mathematics.....	13.2	3.5	8.9	7.2	7.0	4.3	5.8	6.7	6.3	5.2	7.2	6.3	6.3	5.7
Computer/Information sciences.....	0.0	0.0	0.0	2.1	3.5	0.0	2.5	1.0	3.1	3.5	0.7	2.1	0.0	6.3
Engineering.....	28.9	22.8	23.8	20.6	24.4	29.3	23.3	24.0	17.2	13.9	19.4	21.1	20.3	23.4
Biological sciences.....	10.5	8.8	13.9	13.4	11.6	19.6	21.7	15.4	21.1	23.5	16.5	19.7	28.1	18.4
Agricultural sciences.....	10.5	26.3	24.8	17.5	9.3	20.7	15.0	23.1	18.0	13.9	17.3	16.9	21.1	14.6
Psychology and social sciences.....	15.8	19.3	13.9	23.7	20.9	10.9	20.0	13.5	20.3	26.1	20.1	19.7	12.5	17.1
Non-sciences and Engineering: percent.....	26.9	14.9	16.5	19.2	16.5	14.0	11.8	20.0	17.9	22.8	14.2	20.2	20.5	12.2
Humanities.....	28.6	30.0	20.0	34.8	23.5	13.3	18.8	34.6	42.9	44.1	34.8	44.4	48.5	45.5
Education.....	50.0	30.0	60.0	43.5	17.6	46.7	37.5	23.1	32.1	26.5	26.1	27.8	24.2	9.1
Health sciences.....	14.3	40.0	10.0	13.0	23.5	20.0	12.5	23.1	10.7	17.6	8.7	22.2	15.2	27.3
Professional and other fields.....	7.1	0.0	10.0	8.7	35.3	20.0	31.3	19.2	14.3	11.8	30.4	5.6	12.1	18.2
Planned location after Ph.D.²														
Number with permanent visas:.....	3	3	10	11	10	15	16	17	21	18	28	19	23	20
U. S. total: percent.....	D	D	90.0	36.4	40.0	40.0	62.5	76.5	61.9	66.7	75.0	73.7	73.9	80.0
Study.....	D	D	33.3	50.0	25.0		60.0	53.8	15.4	8.3	47.6	28.6	41.2	31.3
Employment.....	D	D	66.7	50.0	75.0	83.3	40.0	46.2	84.6	83.3	52.4	64.3	58.8	62.5
Unknown.....	D	D	0.0	0.0	0.0	16.7	0.0	0.0	0.0	8.3	0.0	7.1	0.0	6.3
Non-U.S.....	D	D	0.0	27.3	20.0	20.0	18.8	23.5	28.6	22.2	21.4	26.3	17.4	20.0
Unknown location.....	D	D	10.0	36.4	40.0	40.0	18.8	0.0	9.5	11.1	3.6	0.0	8.7	0.0

See explanatory information, if any, and SOURCE at end of table.

Table B-24. Statistical profile of doctorate recipients from Mexico, by year of Ph.D.: 1975, 1980, 1985-96

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Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas:	35	54	91	86	76	77	104	87	107	97	111	123	105	138
U. S. total: percent	11.4	14.8	12.1	23.3	35.5	29.9	38.5	24.1	42.1	27.8	29.7	28.5	26.7	31.2
Study	75.0	62.5	36.4	65.0	55.6	65.2	50.0	76.2	60.0	51.9	60.6	62.9	64.3	55.8
Employment	25.0	37.5	63.6	35.0	40.7	34.8	50.0	23.8	37.8	48.1	39.4	34.3	32.1	41.9
Unknown	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	2.2	0.0	0.0	2.9	3.6	2.3
Non-U.S.	68.6	70.4	60.4	54.7	44.7	49.4	47.1	59.8	49.5	70.1	67.6	65.9	72.4	65.9
Unknown location	20.0	14.8	27.5	22.1	19.7	20.8	14.4	16.1	8.4	2.1	2.7	5.7	1.0	2.9
Number planning location														
In the United States														
after Ph.D. ² :	5	10	20	24	31	29	50	34	58	39	54	49	45	59
Percent with definite postdoctoral study ⁴	D	50.0	25.0	54.2	38.7	31.0	38.0	35.3	37.9	25.6	29.6	36.7	42.2	27.1
Percent with definite employment ⁴	D	40.0	65.0	37.5	38.7	41.4	46.0	26.5	37.9	30.8	25.9	22.4	15.6	27.1
Percent seeking postdoctoral study ⁴	D	10.0	10.0	8.3	12.9	20.7	14.0	32.4	12.1	12.8	25.9	16.3	13.3	22.0
Percent seeking employment ⁴	D	0.0	0.0	0.0	6.5	3.4	2.0	5.9	10.3	28.2	18.5	20.4	26.7	20.3
Percent with postdoctoral plans unknown ⁴	D	0.0	0.0	0.0	3.2	3.4	0.0	0.0	1.7	2.6	4.1	2.2	3.4	
Number with definite employment plans In United States														
after Ph.D.:	1	4	13	9	12	12	23	9	22	12	14	11	7	18
Primary work activity ² : percent														
R&D	D	D	38.5	55.6	58.3	58.3	56.5	66.7	31.8	75.0	57.1	54.5	57.1	43.8
Teaching	D	D	46.2	44.4	25.0	16.7	30.4	33.3	40.9	0.0	14.3	27.3	14.3	43.8
Administrative	D	D	0.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	7.1	9.1	0.0	0.0
Professional services	D	D	7.7	0.0	0.0	25.0	0.0	0.0	18.2	8.3	7.1	0.0	14.3	0.0
Other	D	D	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	14.3	6.3
Unknown	D	D	7.7	0.0	8.3	0.0	13.0	0.0	4.5	16.7	14.3	9.1	0.0	6.3
Type of employer: percent ²														
Educational institution ⁵	D	D	53.8	77.8	58.3	58.3	52.2	55.6	54.5	41.7	50.0	36.4	28.6	50.0
Industry/business	D	D	46.2	22.2	25.0	41.7	39.1	33.3	31.8	41.7	35.7	54.5	71.4	25.0
Government	D	D	0.0	0.0	0.0	0.0	4.3	11.1	9.1	16.7	0.0	0.0	0.0	6.3
Nonprofit	D	D	0.0	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0
Other and unknown	D	D	0.0	0.0	0.0	0.0	4.3	0.0	4.5	0.0	14.3	0.0	0.0	18.8

D = data withheld to avoid potential disclosure of confidential information.

¹This table includes all citizens of Mexico who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.²Sciences and engineering Ph.D.s only.³In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.⁴Includes only those Ph.D. recipients intending to remain in the United States after graduation.⁵Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.**SOURCE:** National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-25. Statistical profile of doctorate recipients from Scandinavia¹, by year of Ph.D.: 1975, 1980, 1985-96

Page 1 of 2

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s ²	56	48	42	57	71	66	66	92	65	95	93	99	111	116
Percent men.....	87.5	75.0	73.8	73.7	71.8	72.7	66.7	71.7	63.5	60.0	72.0	62.6	70.3	53.4
Percent women.....	12.5	25.0	26.2	26.3	28.2	27.3	33.3	28.3	36.5	40.0	28.0	37.4	29.7	46.6
Percent with permanent visa.....	17.9	20.8	21.4	28.1	14.1	22.7	13.6	18.5	31.8	24.2	22.6	22.2	26.1	30.2
Percent with temporary visa.....	82.1	79.2	78.6	71.9	85.9	77.3	86.4	81.5	68.2	75.8	77.4	77.8	73.9	69.8
Percent married.....	58.9	60.4	57.1	56.1	53.5	57.6	68.2	51.1	52.9	49.5	47.3	48.5	48.6	46.6
Percent not married.....	37.5	35.4	40.5	38.6	43.7	39.4	28.8	44.6	37.6	45.3	48.4	41.4	45.0	43.1
Percent unknown.....	3.6	4.2	2.4	5.3	2.8	3.0	3.0	4.3	9.4	5.3	4.3	10.1	6.3	10.3
Median age at Ph.D. in years ³	31.1	31.3	31.6	31.6	30.5	32.3	30.9	32.3	31.5	32.0	32.2	31.5	31.5	31.6
Percent with dependents.....	42.9	50.0	50.0	38.6	38.0	40.9	40.9	40.2	40.0	35.8	31.2	39.4	37.8	32.8
Percent receiving sources of support: percent ^{3,4}														
Personal.....	51.2	52.8	60.0	60.0	53.8	42.0	50.9	50.7	57.6	59.4	57.3	50.8	48.2	69.8
Foreign government.....	0.0	0.0	0.0	0.0	26.9	18.0	22.6	30.4	42.4	33.3	26.7	34.4	49.4	40.7
University.....	87.8	88.9	90.0	91.1	92.3	86.0	92.5	81.2	83.3	85.5	88.0	78.7	92.8	86.0
Teaching assistant.....	46.3	58.3	50.0	60.0	55.8	40.0	52.8	44.9	42.4	46.4	53.3	42.6	50.6	61.6
Research assistant.....	65.9	63.9	70.0	62.2	71.2	62.0	69.8	55.1	65.2	62.3	64.0	65.6	71.1	73.3
Other university.....	34.1	25.0	30.0	26.7	34.6	34.0	30.2	31.9	19.7	13.0	21.3	16.4	27.7	34.9
Other.....	39.0	44.4	56.7	37.8	28.8	24.0	32.1	33.3	33.3	30.4	25.3	41.0	25.3	36.0
Unknown.....	0.0	2.8	0.0	4.4	5.8	8.0	3.8	5.8	6.1	4.3	4.0	0.0	1.2	10.5
Median years from baccalaureate to Ph.D.														
Total time: in years.....	7.1	7.6	7.8	7.6	7.3	7.5	8.0	7.9	8.3	8.0	8.4	7.6	7.7	9.0
Registered time: in years.....	5.3	5.5	6.4	6.0	6.2	6.0	5.8	6.0	7.0	6.2	6.6	6.7	6.6	6.9
Sciences & Engineering: percent.....	73.2	75.0	71.4	78.9	73.2	75.8	80.3	75.0	77.6	72.6	80.6	61.6	74.8	74.1
Physical Sciences.....	7.3	22.2	23.3	17.8	19.2	18.0	18.9	17.4	15.2	18.8	13.3	16.4	8.4	18.6
Earth, Atmospheric, and Ocean sciences.....	12.2	5.6	16.7	6.7	3.8	8.0	5.7	10.1	4.5	5.8	10.7	4.9	6.0	3.5
Mathematics.....	26.8	11.1	10.0	8.9	15.4	10.0	15.1	4.3	9.1	7.2	8.0	3.3	7.2	3.5
Computer/Information sciences.....	0.0	8.3	6.7	8.9	3.8	2.0	3.8	1.4	9.1	0.0	4.0	9.8	10.8	5.8
Engineering.....	17.1	16.7	23.3	8.9	26.9	18.0	18.9	18.8	10.6	18.8	16.0	26.2	25.3	12.8
Biological sciences.....	4.9	5.6	3.3	13.3	7.7	14.0	9.4	17.4	15.2	14.5	12.0	11.5	20.5	17.4
Agricultural sciences.....	12.2	5.6	3.3	4.4	0.0	10.0	11.3	2.9	9.1	7.2	1.3	1.6	2.4	4.7
Psychology and social sciences....	19.5	25.0	13.3	31.1	23.1	20.0	17.0	27.5	27.3	27.5	34.7	26.2	19.3	33.7
Non-sciences and Engineering: percent.....	26.8	25.0	28.6	21.1	26.8	24.2	19.7	25.0	22.4	27.4	19.4	38.4	25.2	25.9
Humanities.....	26.7	25.0	41.7	58.3	31.6	37.5	38.5	26.1	42.1	65.4	38.9	42.1	39.3	46.7
Education.....	33.3	25.0	33.3	8.3	15.8	12.5	30.8	21.7	21.1	15.4	33.3	23.7	14.3	10.0
Health sciences.....	0.0	16.7	0.0	8.3	10.5	12.5	0.0	21.7	5.3	7.7	11.1	10.5	14.3	6.7
Professional and other fields.....	40.0	33.3	25.0	25.0	42.1	37.5	30.8	30.4	31.6	11.5	16.7	23.7	32.1	36.7
Planned location after Ph.D. ³	6	9	2	11	7	11	6	11	16	11	13	12	20	26
Number with permanent visas:.....	62.5	66.7	100.0	63.6	100.0	72.7	50.0	72.7	81.3	63.6	84.6	83.3	80.0	73.1
U. S. total: percent.....	0.0	16.7	50.0	42.9	57.1	25.0	100.0	62.5	23.1	0.0	45.5	40.0	37.5	42.1
Study.....	100.0	83.3	50.0	57.1	42.9	75.0	0.0	37.5	76.9	100.0	54.5	60.0	62.5	47.4
Employment.....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5
Unknown.....	25.0	11.1	0.0	9.1	0.0	18.2	16.7	9.1	6.3	27.3	7.7	16.7	20.0	15.4
Non-U.S.....	12.5	22.2	0.0	27.3	0.0	9.1	33.3	18.2	12.5	9.1	7.7	0.0	0.0	11.5
Unknown location.....	33.0	27.0	28.0	34.0	45.0	39.0	47.0	58.0	50.0	58.0	62.0	49.0	63.0	60.0

See explanatory information, if any, and SOURCE at end of table.

Table B-25. Statistical profile of doctorate recipients from Scandinavia¹, by year of Ph.D.: 1975, 1980, 1985-96

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Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas:	24	41	54	29	27	18	43	35	34	41	39	29	49	40
U.S. total: percent	50.0	63.6	53.3	50.0	66.7	71.4	65.0	70.0	52.9	54.2	50.0	50.0	51.6	62.5
Study	50.0	36.4	46.7	50.0	33.3	28.6	35.0	30.0	47.1	45.8	50.0	50.0	48.4	29.2
Employment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Unknown	54.5	37.0	28.6	55.9	46.7	43.6	31.9	53.4	52.0	55.2	56.5	69.4	49.2	51.7
Non-U.S.	21.2	22.2	17.9	14.7	26.7	38.5	25.5	12.1	14.0	3.4	4.8	2.0	1.6	8.3
Unknown location														
Number planning location in the United States after Ph.D. ³ :	13	17	17	17	19	15	23	28	30	31	35	24	47	43
Percent with definite postdoctoral study ⁵	23.1	35.3	47.1	41.2	52.6	40.0	43.5	46.4	33.3	32.3	28.6	33.3	36.2	27.9
Percent with definite employment ⁵	69.2	52.9	47.1	52.9	31.6	53.3	30.4	32.1	46.7	41.9	28.6	33.3	44.7	20.9
Percent seeking postdoctoral study ⁵	7.7	11.8	5.9	5.9	10.5	6.7	26.1	21.4	6.7	9.7	20.0	12.5	10.6	25.6
Percent seeking employment ⁵	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	13.3	16.1	22.9	20.8	8.5	16.3
Percent with postdoctoral plans unknown ⁵	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3
Number with definite employment plans in United States after Ph.D.:	9	9	8	9	6	8	7	9	14	13	10	8	21	9
Primary work activity ³ : percent														
R&D	66.7	77.8	75.0	77.8	66.7	37.5	71.4	44.4	57.1	61.5	60.0	62.5	81.0	44.4
Teaching	11.1	11.1	12.5	11.1	33.3	25.0	14.3	22.2	28.6	15.4	30.0	12.5	9.5	22.2
Administrative	0.0	0.0	0.0	0.0	0.0	0.0	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Professional services	0.0	0.0	12.5	0.0	0.0	25.0	0.0	22.2	7.1	0.0	10.0	25.0	4.8	22.2
Other	22.2	11.1	0.0	11.1	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	4.8	11.1
Unknown	0.0	0.0	0.0	0.0	0.0	12.5	0.0	11.1	0.0	23.1	0.0	0.0	0.0	0.0
Type of employer: percent ³														
Educational institution ⁶	55.6	33.3	62.5	66.7	83.3	37.5	71.4	44.4	71.4	76.9	60.0	25.0	23.8	66.7
Industry/business	44.4	44.4	37.5	22.2	16.7	25.0	14.3	44.4	28.6	7.7	20.0	50.0	61.9	33.3
Government	0.0	0.0	0.0	11.1	0.0	12.5	0.0	0.0	0.0	7.7	10.0	25.0	0.0	0.0
Nonprofit	0.0	22.2	0.0	0.0	0.0	12.5	0.0	0.0	0.0	7.7	10.0	0.0	4.8	0.0
Other and unknown	0.0	0.0	0.0	0.0	0.0	12.5	14.3	11.1	0.0	0.0	0.0	0.0	9.5	0.0

¹ Includes Denmark, Finland, Iceland, Norway, Sweden, and unspecified Northern European countries.² This table includes all citizens of Scandinavian countries who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.³ Sciences and engineering Ph.D.s only.⁴ In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.⁵ Includes only those Ph.D. recipients intending to remain in the United States after graduation.⁶ Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.**SOURCE:** National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-26. Statistical profile of doctorate recipients from Taiwan, by year of Ph.D.: 1975, 1980, 1985-96

Page 1 of 2

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s¹.....	550	455	833	798	873	912	977	1,149	1,321	1,431	1,456	1,576	1,485	1,398
Percent men.....	89.5	86.2	86.2	85.9	85.0	84.6	81.0	80.3	81.0	79.4	78.0	77.4	75.2	74.3
Percent women.....	10.5	13.8	13.8	14.1	15.0	15.4	19.0	19.7	19.0	20.6	22.0	22.6	24.9	25.8
Percent with permanent visa.....	45.3	34.3	21.0	20.4	19.7	18.0	16.7	14.4	13.6	14.5	13.1	13.8	13.0	11.8
Percent with temporary visa.....	54.7	65.7	79.0	79.6	80.3	82.0	83.3	85.6	86.5	85.5	87.0	86.2	87.0	88.2
Percent married.....	80.9	73.4	71.5	76.0	75.3	75.0	74.7	69.6	71.3	71.1	68.4	67.0	64.9	63.8
Percent not married.....	18.0	25.9	26.8	22.9	23.0	24.3	23.7	25.3	22.9	24.5	27.3	27.9	29.9	32.5
Percent unknown.....	1.1	0.7	1.7	1.1	1.7	0.7	1.5	5.1	5.8	4.3	4.3	5.1	5.2	3.7
Median age at Ph.D. in years ²	30.5	30.7	31.8	31.9	32.0	32.2	32.5	32.5	32.6	32.8	32.3	32.5	32.7	32.7
Percent with dependents.....	50.5	57.6	61.3	62.9	61.7	62.1	61.2	59.7	57.5	59.1	57.0	55.0	53.8	52.4
Percent receiving sources of support: percent ^{2,3}														
Personal.....	29.3	31.1	57.1	60.5	57.0	61.6	61.4	63.9	65.0	68.1	67.4	69.9	71.4	78.9
Foreign government.....	0.0	0.0	0.0	0.0	5.8	8.7	9.6	9.3	8.3	9.6	7.4	6.5	7.5	6.6
University.....	95.0	90.6	91.4	94.4	90.9	92.5	91.2	88.8	86.7	87.4	90.3	87.4	87.2	89.2
Teaching assistant.....	55.8	51.3	47.2	52.9	51.0	55.2	50.9	47.3	45.5	45.7	46.6	41.9	41.1	47.9
Research assistant.....	76.8	74.1	75.7	76.9	75.7	78.6	76.1	72.7	72.4	73.9	76.5	73.6	72.3	77.2
Other university.....	24.3	20.7	19.0	18.3	16.2	13.5	14.4	11.1	9.3	9.4	11.3	9.2	9.2	18.7
Other.....	17.2	15.8	10.5	9.5	7.2	3.6	5.3	5.4	4.3	4.1	5.4	4.4	4.4	6.8
Unknown.....	0.6	1.6	2.0	0.6	2.0	1.4	1.9	4.2	4.4	3.6	2.7	4.5	3.7	4.1
Median years from baccalaureate to Ph.D.														
Total time: in years.....	7.9	8.4	9.2	9.3	9.5	9.7	10.0	10.0	10.1	10.2	10.0	10.0	10.1	10.1
Registered time: in years.....	5.7	5.7	6.2	6.2	6.1	6.2	6.3	6.3	6.3	6.4	6.5	6.3	6.5	6.5
Sciences & Engineering: percent.....	94.2	93.4	89.6	89.1	90.5	86.2	87.7	88.1	85.3	86.8	83.3	82.6	83.5	82.2
Physical Sciences.....	27.6	23.5	15.3	19.2	16.8	13.2	15.6	14.1	11.9	10.8	11.6	10.2	12.3	9.7
Earth, Atmospheric, and Ocean sciences.....	1.5	4.7	3.6	1.8	2.8	1.5	2.2	1.5	1.4	1.8	2.1	1.8	1.9	1.9
Mathematics.....	9.1	7.8	4.0	5.1	3.5	3.9	3.5	5.3	4.0	3.7	3.6	4.2	2.7	3.3
Computer/Information sciences.....	0.0	1.4	2.4	4.1	3.4	6.2	4.0	6.9	5.9	6.3	6.7	5.5	5.9	5.8
Engineering.....	37.8	40.5	51.9	49.5	50.3	50.9	49.8	47.0	53.0	51.3	48.8	51.5	49.7	49.8
Biological sciences.....	11.2	12.9	10.9	8.6	11.8	12.1	11.8	13.4	10.4	13.6	14.6	14.2	13.6	15.1
Agricultural sciences.....	7.3	3.3	3.4	3.9	4.2	3.4	3.9	4.0	3.7	4.4	3.7	3.2	4.2	4.3
Psychology and social sciences.....	5.4	5.9	8.6	7.8	7.2	8.7	9.2	7.7	9.7	8.1	8.8	9.4	9.8	10.1
Non-sciences and Engineering: percent.....	5.8	6.6	10.4	10.9	9.5	13.8	12.3	11.9	14.7	13.2	16.7	17.5	16.5	17.8
Humanities.....	28.1	23.3	8.0	12.6	13.3	11.1	9.2	11.0	15.5	10.1	14.0	12.0	17.1	16.1
Education.....	21.9	26.7	34.5	37.9	32.5	31.7	36.7	46.0	44.9	49.2	44.9	41.5	39.6	42.6
Health sciences.....	25.0	30.0	27.6	13.8	15.7	11.9	14.2	13.9	10.3	12.2	12.4	17.5	20.4	16.9
Professional and other fields.....	25.0	20.0	29.9	35.6	38.6	45.2	40.0	29.2	29.4	28.6	28.8	29.1	22.9	24.5
Planned location after Ph.D.²														
Number with permanent visas:.....	227	144	159	144	150	136	142	147	160	172	155	178	165	136
U. S. total: percent.....	64.3	72.9	64.8	61.1	50.7	64.0	64.1	65.3	82.5	80.8	76.8	69.1	82.4	82.4
Study.....	39.0	31.4	25.2	25.0	42.1	39.1	38.5	30.2	28.8	25.9	33.6	31.7	32.4	33.0
Employment.....	59.6	68.6	74.8	75.0	57.9	59.8	61.5	68.8	70.5	69.8	64.7	65.9	65.4	66.1
Unknown.....	1.4	0.0	0.0	0.0	0.0	1.1	0.0	1.0	0.8	4.3	1.7	2.4	2.2	0.9
Non-U.S.....	3.1	1.4	2.5	4.2	5.3	5.1	2.8	12.2	6.9	15.1	16.1	25.3	15.2	16.2
Unknown location.....	32.6	25.7	32.7	34.7	44.0	30.9	33.1	22.5	10.6	4.1	7.1	5.6	2.4	1.5

See explanatory information, if any, and SOURCE at end of table.

Table B-26. Statistical profile of doctorate recipients from Taiwan, by year of Ph.D.: 1975, 1980, 1985-96

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Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas:	291	281	587	565	640	650	715	865	967	1,070	1,058	1,123	1,075	1,013
U.S. total: percent	44.7	58.4	46.8	48.9	45.5	41.8	39.3	41.0	46.4	46.9	38.9	41.9	44.6	47.8
Study	66.2	47.0	50.9	54.7	59.5	57.7	56.2	44.5	40.1	47.6	55.7	51.7	50.3	44.4
Employment	32.3	53.0	48.4	44.2	40.2	41.5	43.1	53.8	58.6	50.8	42.1	46.0	47.0	53.1
Unknown	1.5	0.0	0.7	1.1	0.3	0.7	0.7	1.7	1.3	1.6	2.2	2.3	2.7	2.5
Non-U.S.	22.3	19.6	20.6	18.2	19.2	20.8	22.1	34.0	41.0	45.3	55.4	53.2	50.3	47.3
Unknown location	33.0	22.1	32.5	32.9	35.3	37.4	38.6	25.0	12.6	7.8	5.8	5.0	5.1	4.9
Number planning location														
In the United States														
after Ph.D. ² :	276	269	378	364	387	359	372	451	581	641	530	593	615	596
Percent with definite postdoctoral study ⁴ :	41.7	31.2	32.8	34.1	45.0	42.1	40.9	28.4	22.0	25.4	30.4	27.7	24.6	25.2
Percent with definite employment ⁴ :	38.0	53.2	47.1	43.4	39.0	37.6	41.9	37.7	36.5	25.7	22.8	22.3	20.2	28.5
Percent seeking postdoctoral study ⁴ :	10.1	9.7	11.1	13.5	10.9	11.1	11.0	13.1	15.5	17.5	20.4	19.9	21.8	17.1
Percent seeking employment ⁴ :	8.7	5.9	8.5	8.2	4.9	8.4	5.6	19.3	24.8	29.2	24.3	27.8	30.9	27.0
Percent with postdoctoral plans unknown ⁴ :	1.4	0.0	0.5	0.8	0.3	0.8	0.5	1.6	1.2	2.2	2.1	2.4	2.6	2.2
Number with definite employment plans in United States														
after Ph.D.:	105	143	178	158	143	135	156	170	212	185	121	132	124	170
Primary work activity ² : percent														
R&D	70.5	77.6	76.4	70.9	76.2	74.1	73.7	68.2	70.3	67.9	73.6	68.2	74.2	81.2
Teaching	11.4	13.3	12.9	15.8	12.6	15.6	16.7	12.9	10.4	9.7	11.6	11.4	7.3	4.7
Administrative	0.0	1.4	0.0	0.0	0.7	0.7	0.0	0.6	0.5	0.6	0.8	1.5	1.6	0.0
Professional services	15.2	3.5	5.1	5.1	4.9	5.2	7.1	9.4	7.1	7.9	5.0	6.8	10.5	8.2
Other	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.0	0.5	1.2	0.8	1.5	1.6	1.2
Unknown	2.9	4.2	5.6	8.2	4.9	3.7	1.9	8.8	11.3	12.7	8.3	10.6	4.8	4.7
Type of employer: percent ²														
Educational institution ⁵	22.9	24.5	27.5	29.1	28.7	32.6	34.6	28.8	24.1	24.2	26.5	24.2	13.7	14.7
Industry/business	67.6	71.3	66.9	65.8	65.0	63.7	61.5	68.2	70.3	69.7	67.8	68.9	79.0	81.8
Government	4.8	3.5	2.2	1.3	4.2	2.2	1.9	1.2	2.4	1.8	3.3	3.0	2.4	1.2
Nonprofit	2.9	0.0	1.7	3.8	0.7	0.7	1.9	1.8	2.4	3.0	1.7	2.3	2.4	1.8
Other and unknown	1.9	0.7	1.7	0.0	1.4	0.7	0.0	0.9	1.2	0.8	1.5	2.4	7.0	

¹This table includes all citizens of Taiwan who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.²Sciences and engineering Ph.D.s only.³In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.⁴Includes only those Ph.D. recipients intending to remain in the United States after graduation.⁵Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-27. Statistical profile of doctorate recipients from United Kingdom¹, by year of Ph.D.: 1975, 1980, 1985-96

Page 1 of 2

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s².....	178	129	165	128	158	176	181	172	207	216	230	219	222	205
Percent men.....	84.3	79.1	61.2	68.8	71.5	64.2	65.2	72.1	69.1	64.4	73.5	70.8	69.8	57.6
Percent women.....	15.7	20.9	38.8	31.3	28.5	35.8	34.8	27.9	30.9	35.6	26.5	29.2	30.2	42.4
Percent with permanent visa.....	38.2	41.9	41.2	38.3	34.8	42.6	41.0	44.2	44.4	41.2	38.3	42.5	40.1	49.3
Percent with temporary visa.....	61.8	58.1	58.8	61.7	65.2	57.4	59.0	55.8	55.6	58.8	61.7	57.5	59.9	50.7
Percent married.....	59.6	58.1	52.7	46.9	48.1	39.8	49.7	47.7	50.7	41.7	42.6	42.0	40.5	46.3
Percent not married.....	39.9	40.3	44.2	51.6	49.4	58.5	48.4	44.8	41.5	52.3	51.7	53.0	50.0	46.8
Percent unknown.....	0.6	1.6	3.0	1.6	2.5	1.7	1.9	7.6	7.7	6.0	5.7	5.0	9.5	6.8
Median age at Ph.D. in years ³	29.3	29.2	30.3	29.2	28.6	29.2	29.8	29.4	30.4	30.5	29.3	29.4	30.8	31.2
Percent with dependents.....	29.8	34.1	29.7	23.4	27.8	25.0	25.5	30.2	32.4	23.1	22.6	23.3	19.4	26.8
Percent receiving sources of support: percent ^{3,4}														
Personal.....	37.3	49.4	60.2	56.3	46.9	48.3	52.6	51.0	50.7	49.6	48.4	51.9	47.0	61.0
Foreign government.....	0.0	0.0	0.0	0.0	2.1	3.4	3.1	2.9	3.0	2.9	3.2	2.3	1.5	0.0
University.....	91.5	94.4	82.5	92.5	91.7	95.8	92.8	87.5	92.5	91.4	95.5	95.4	90.3	89.0
Teaching assistant.....	61.0	59.6	60.2	57.5	61.5	66.9	67.0	64.4	64.2	63.3	70.1	60.3	53.7	72.9
Research assistant.....	61.0	66.3	51.5	60.0	68.8	69.5	72.2	67.3	65.7	59.7	74.5	64.9	65.7	61.0
Other university.....	40.7	32.6	35.9	30.0	31.3	33.1	30.9	33.7	24.6	38.8	35.7	29.8	27.6	40.7
Other.....	29.7	21.3	25.2	28.8	11.5	22.0	17.5	12.5	14.9	17.3	16.6	13.7	9.0	20.3
Unknown.....	0.8	2.2	1.9	0.0	2.1	0.0	2.1	4.8	4.5	3.6	0.6	1.5	5.2	3.4
Median years from baccalaureate to Ph.D.														
Total time: in years.....	6.9	7.3	8.1	8.0	7.8	7.8	8.3	7.8	8.8	8.2	8.0	8.3	9.0	9.1
Registered time: in years.....	5.4	5.5	5.9	5.9	6.1	6.3	6.1	6.2	6.5	6.5	6.3	6.5	6.8	7.0
Sciences & Engineering: percent.....	66.3	69.0	62.4	62.5	60.8	67.0	60.2	60.5	64.7	64.4	68.3	59.8	60.4	57.6
Physical Sciences.....	15.3	13.5	22.3	13.8	19.8	16.9	14.4	17.3	24.6	17.3	22.3	21.4	20.9	11.9
Earth, Atmospheric, and Ocean sciences.....	4.2	4.5	4.9	7.5	7.3	7.6	7.2	3.8	3.7	1.4	5.7	3.8	1.5	8.5
Mathematics.....	3.4	3.4	6.8	2.5	4.2	4.2	6.2	6.7	6.7	7.2	6.4	8.4	5.2	4.2
Computer/Information sciences.....	0.0	3.4	1.9	6.3	4.2	5.1	2.1	1.0	1.5	2.2	2.5	0.8	1.5	1.7
Engineering.....	7.6	21.3	5.8	15.0	9.4	9.3	14.4	14.4	11.2	12.2	11.5	11.5	14.9	8.5
Biological sciences.....	23.7	16.9	26.2	23.8	22.9	21.2	20.6	22.1	14.9	21.6	20.4	19.8	19.4	20.3
Agricultural sciences.....	4.2	5.6	3.9	3.8	3.1	3.4	7.2	1.0	4.5	0.7	3.2	2.3	2.2	2.5
Psychology and social sciences.....	41.5	31.5	28.2	27.5	29.2	32.2	27.8	33.7	32.8	37.4	28.0	32.1	34.3	42.4
Non-sciences and Engineering: percent.....	33.7	31.0	37.6	37.5	39.2	33.0	39.8	39.5	35.3	35.6	31.7	40.2	39.6	42.4
Humanities.....	53.3	32.5	43.5	45.8	53.2	60.3	48.4	60.3	52.1	59.7	60.3	64.8	69.3	60.9
Education.....	28.3	42.5	35.5	25.0	24.2	24.1	25.0	25.0	23.3	22.1	19.2	13.6	14.8	29.9
Health sciences.....	5.0	12.5	8.1	10.4	8.1	3.4	1.6	4.4	4.1	5.2	5.5	9.1	4.5	0.0
Professional and other fields.....	13.3	12.5	12.9	18.8	14.5	12.1	25.0	10.3	20.5	13.0	15.1	12.5	11.4	9.2
Planned location after Ph.D.³														
Number with permanent visas:.....	47	33	43	32	31	48	36	39	53	59	48	56	49	51
U. S. total: percent.....	63.8	75.8	69.8	68.8	83.9	60.4	69.4	74.4	83.0	88.1	91.7	91.1	87.8	88.2
Study.....	40.0	32.0	56.7	27.3	42.3	41.4	28.0	24.1	43.2	40.4	47.7	45.1	37.2	28.9
Employment.....	60.0	68.0	43.3	72.7	57.7	58.6	72.0	75.9	52.3	55.8	52.3	54.9	60.5	71.1
Unknown.....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	3.8	0.0	0.0	2.3	0.0
Non-U.S.....	14.9	3.0	7.0	9.4	0.0	10.4	2.8	7.7	13.2	10.2	8.3	8.9	4.1	11.8
Unknown location.....	21.3	21.2	23.3	21.9	16.1	29.2	27.8	17.9	3.8	1.7	0.0	0.0	8.2	0.0

See explanatory information, if any, and SOURCE at end of table.

Table B-27. Statistical profile of doctorate recipients from United Kingdom¹, by year of Ph.D.: 1975, 1980, 1985-96

Page 2 of 2

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas:	71	56	60	48	65	70	61	65	81	80	109	75	85	67
U.S. total: percent	50.7	55.4	56.7	45.8	49.2	55.7	57.4	67.7	58.0	61.3	63.3	52.0	69.4	61.2
Study	47.2	45.2	52.9	63.6	56.3	61.5	54.3	56.8	55.3	57.1	52.2	53.8	45.8	56.1
Employment	50.0	54.8	44.1	36.4	43.8	38.5	45.7	43.2	42.6	42.9	46.4	43.6	50.8	41.5
Unknown	2.8	0.0	2.9	0.0	0.0	0.0	0.0	0.0	2.1	0.0	1.4	2.6	3.4	2.4
Non-U.S.	36.6	23.2	16.7	18.8	27.7	20.0	18.0	20.0	33.3	35.0	30.3	42.7	25.9	34.3
Unknown location	12.7	21.4	26.7	35.4	23.1	24.3	24.6	12.3	8.6	3.8	6.4	5.3	4.7	4.5
Number planning location in the United States after Ph.D.³:	68	56	64	44	58	68	60	73	91	101	113	90	102	86
Percent with definite postdoctoral study ⁵	40.9	32.1	42.2	43.2	39.7	50.0	40.0	31.5	40.7	40.6	43.4	34.4	34.3	32.6
Percent with definite employment ⁵	47.0	58.9	40.6	52.3	44.8	42.6	53.3	41.1	31.9	33.7	32.7	31.1	40.2	38.4
Percent seeking postdoctoral study ⁵	3.0	7.1	12.5	2.3	10.3	2.9	3.3	12.3	8.8	7.9	7.1	14.4	7.8	9.3
Percent seeking employment ⁵	7.6	1.8	3.1	2.3	5.2	4.4	3.3	15.1	15.4	15.8	15.9	18.9	14.7	18.6
Percent with postdoctoral plans unknown ⁵	1.5	0.0	1.6	0.0	0.0	0.0	0.0	0.0	3.3	2.0	0.9	1.1	2.9	1.2
Number with definite employment plans in United States after Ph.D.:	31	33	26	23	26	29	32	30	29	34	37	28	41	33
Primary work activity ³ : percent														
R&D	45.2	57.6	26.9	47.8	65.4	55.2	62.5	43.3	51.7	41.2	45.9	50.0	53.7	24.2
Teaching	41.9	27.3	53.8	17.4	23.1	24.1	25.0	43.3	27.6	20.6	29.7	35.7	22.0	57.6
Administrative	0.0	3.0	0.0	0.0	0.0	3.4	9.4	0.0	0.0	0.0	0.0	0.0	4.9	0.0
Professional services	3.2	12.1	15.4	13.0	7.7	13.8	3.1	3.3	10.3	14.7	5.4	3.6	9.8	15.2
Other	0.0	0.0	3.8	13.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	2.4	0.0
Unknown	9.7	0.0	0.0	8.7	3.8	3.4	0.0	10.0	10.3	23.5	13.5	10.7	7.3	3.0
Type of employer: percent														
Educational institution ⁶	64.5	54.5	65.4	43.5	61.5	58.6	59.4	73.3	48.3	61.8	54.1	64.3	56.1	72.7
Industry/business	29.0	36.4	23.1	39.1	30.8	34.5	28.1	20.0	24.1	26.5	32.4	17.9	29.3	15.2
Government	0.0	3.0	3.8	8.7	3.8	3.4	3.1	3.3	17.2	0.0	2.7	3.6	7.3	6.1
Nonprofit	3.2	6.1	7.7	8.7	3.8	3.4	3.1	0.0	10.3	8.8	5.4	10.7	4.9	3.0
Other and unknown	3.2	0.0	0.0	0.0	0.0	0.0	6.3	3.3	0.0	2.9	5.4	3.6	2.4	3.0

¹ Includes England, Wales, Scotland, and Northern Ireland.² This table includes all citizens of the United Kingdom who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.³ Sciences and engineering Ph.D.s only.⁴ In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.⁵ Includes only those Ph.D. recipients intending to remain in the United States after graduation.⁶ Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.**SOURCE:** National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates.

Table B-28. Statistical profile of doctorate recipients from Western Europe¹, by year of Ph.D.: 1975, 1980, 1985-96

Page 1 of 2

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s²	133	110	155	164	175	197	187	224	312	293	310	315	347	350
Percent men.....	89.5	75.5	76.1	79.9	76.0	71.1	72.2	73.7	71.2	67.9	71.6	65.1	69.7	62.6
Percent women.....	10.5	24.5	23.9	20.1	24.0	28.9	27.8	26.3	28.8	32.1	28.4	34.9	30.3	37.4
Percent with permanent visa.....	24.8	39.1	25.8	23.2	20.0	29.9	23.5	22.3	24.0	23.9	27.4	23.5	26.5	29.4
Percent with temporary visa.....	75.2	60.9	74.2	76.8	80.0	70.1	76.5	77.7	76.0	76.1	72.6	76.5	73.5	70.6
Percent married.....	67.7	59.1	47.7	46.3	51.4	55.3	53.5	48.7	48.1	44.4	44.5	43.8	42.9	43.1
Percent not married.....	30.1	39.1	49.0	50.6	45.7	43.7	43.3	46.0	43.9	50.9	50.6	49.2	50.4	51.7
Percent unknown.....	2.3	1.8	3.2	3.0	2.9	1.0	3.2	5.4	8.0	4.8	4.8	7.0	6.6	5.1
Median age at Ph.D. in years ³	30.3	31.1	29.9	29.8	30.1	30.2	29.9	30.0	30.8	30.6	31.2	30.3	30.8	30.7
Percent with dependents.....	45.1	42.7	36.8	29.9	34.9	36.0	30.5	32.6	33.0	31.1	28.7	22.9	24.8	23.1
Percent receiving sources of support: percent ^{3,4}														
Personal.....	37.7	43.2	62.6	54.7	49.6	55.9	57.3	43.5	48.4	47.7	53.7	44.2	45.3	53.7
Foreign government.....	0.0	0.0	0.0	0.0	16.8	18.4	19.1	16.9	21.7	20.2	21.0	24.8	24.6	27.3
University.....	86.8	86.4	87.9	94.5	94.7	91.9	92.4	89.0	88.0	90.7	91.3	82.0	84.5	90.3
Teaching assistant.....	37.7	38.3	52.3	51.6	57.3	56.6	55.7	48.1	52.5	58.5	57.6	43.2	47.4	59.5
Research assistant.....	61.3	61.7	53.3	68.8	71.8	74.3	69.5	73.4	64.1	67.4	67.2	59.2	63.4	72.7
Other university.....	44.3	28.4	28.0	26.6	29.0	30.1	31.3	22.7	21.7	23.8	21.8	15.5	22.0	38.3
Other.....	31.1	37.0	33.6	30.5	23.7	19.9	24.4	19.5	22.6	25.9	24.0	20.9	21.6	30.8
Unknown.....	4.7	3.7	4.7	0.8	0.0	2.9	1.5	4.5	2.3	2.6	2.2	4.9	3.9	4.0
Median years from baccalaureate to Ph.D.														
Total time: in years.....	6.7	8.0	7.3	7.0	7.3	8.0	7.6	7.3	8.0	8.0	8.0	7.5	8.0	8.2
Registered time: in years.....	5.0	5.8	5.8	5.4	5.5	6.1	5.9	5.6	6.0	6.6	6.3	6.2	6.4	6.6
Sciences & Engineering: percent.....	79.7	73.6	69.0	78.0	74.9	69.0	70.1	68.8	69.6	65.9	73.9	65.4	66.9	64.9
Physical Sciences.....	18.9	11.1	13.1	17.2	14.5	14.0	12.2	14.9	13.4	13.0	13.5	14.6	11.6	16.7
Earth, Atmospheric, and Ocean sciences.....	3.8	0.0	3.7	3.1	5.3	3.7	0.0	4.5	8.3	5.2	3.5	5.3	1.7	5.7
Mathematics.....	8.5	7.4	4.7	10.9	8.4	10.3	7.6	6.5	10.1	6.2	5.7	5.8	6.5	7.5
Computer/Information sciences.....	0.0	1.2	2.8	4.7	3.8	2.2	2.3	2.6	5.1	2.6	2.2	3.4	4.3	6.2
Engineering.....	34.9	22.2	25.2	22.7	20.6	24.3	21.4	24.7	18.0	18.7	18.8	18.9	22.4	12.8
Biological sciences.....	7.5	13.6	12.2	4.7	13.7	12.5	18.3	18.2	14.7	15.0	19.2	23.3	15.9	19.8
Agricultural sciences.....	10.4	7.4	6.5	5.5	6.1	7.4	6.1	6.5	4.6	5.7	8.3	9.7	11.2	5.3
Psychology and social sciences....	16.0	37.0	31.8	31.3	27.5	25.7	32.1	22.1	25.8	33.7	28.8	18.9	26.3	26.0
Non-sciences and														
Engineering: percent.....	20.3	26.4	31.0	22.0	25.1	31.0	29.9	31.3	30.4	34.1	26.1	34.6	33.1	35.1
Humanities.....	55.6	58.6	52.1	50.0	54.5	55.7	57.1	68.6	63.2	64.0	59.3	67.0	67.0	70.7
Education.....	14.8	17.2	20.8	16.7	18.2	23.0	19.6	12.9	7.4	9.0	16.0	11.9	8.7	8.9
Health sciences.....	11.1	10.3	10.4	8.3	4.5	4.9	8.9	7.1	9.5	13.0	9.9	7.3	7.8	8.9
Professional and other fields.....	18.5	13.8	16.7	25.0	22.7	16.4	14.3	11.4	20.0	14.0	14.8	13.8	16.5	11.4
Planned location after Ph.D.³														
Number with permanent visas:.....	20	29	19	25	24	39	22	26	42	38	61	40	52	54
U. S. total: percent.....	70.0	65.5	52.6	72.0	70.8	61.5	50.0	57.7	90.5	92.1	77.0	80.0	90.4	92.6
Study.....	28.6	26.3	40.0	33.3	47.1	37.5	36.4	46.7	28.9	40.0	40.4	56.3	44.7	36.0
Employment.....	71.4	73.7	60.0	66.7	52.9	62.5	63.6	53.3	65.8	57.1	57.4	40.6	51.1	60.0
Unknown.....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	2.9	2.1	3.1	4.3	4.0
Non-U.S.....	15.0	6.9	10.5	4.0	8.3	10.3	13.6	23.1	2.4	5.3	21.3	17.5	5.8	5.6
Unknown location.....	15.0	27.6	36.8	24.0	20.8	28.2	36.4	19.2	7.1	2.6	1.6	2.5	3.8	1.9

See explanatory information, if any, and SOURCE at end of table.

Table B-28. Statistical profile of doctorate recipients from Western Europe¹, by year of Ph.D.: 1975, 1980, 1985-96

Page 2 of 2

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas:	86	52	88	103	107	97	109	128	175	155	168	166	180	173
U.S. total: percent	31.4	36.5	40.9	35.0	40.2	40.2	36.7	34.4	38.9	45.2	39.3	44.0	48.3	48.6
Study	51.9	52.6	41.7	41.7	55.8	46.2	47.5	59.1	51.5	55.7	53.0	63.0	52.9	64.3
Employment	44.4	47.4	58.3	58.3	44.2	53.8	52.5	40.9	48.5	44.3	47.0	37.0	46.0	31.0
Unknown	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	4.8
Non-U.S.	40.7	40.4	33.0	41.7	39.3	40.2	42.2	50.0	49.7	51.0	53.6	50.6	47.8	46.8
Unknown location	27.9	23.1	26.1	23.3	20.6	19.6	21.1	15.6	11.4	3.9	7.1	5.4	3.9	4.6
Number planning location in the United States after Ph.D. ³ :	41	38	46	54	60	63	51	59	106	105	113	105	134	134
Percent with definite postdoctoral study ⁵ :	41.5	36.8	34.8	35.2	43.3	39.7	43.1	47.5	32.1	36.2	33.6	48.6	38.1	43.3
Percent with definite employment ⁵ :	48.8	57.9	50.0	55.6	45.0	52.4	47.1	39.0	42.5	34.3	34.5	31.4	26.1	31.3
Percent seeking postdoctoral study ⁵ :	2.4	2.6	6.5	3.7	10.0	3.2	2.0	8.5	11.3	14.3	14.2	12.4	11.9	10.4
Percent seeking employment ⁵ :	4.9	2.6	8.7	5.6	1.7	4.8	7.8	5.1	12.3	14.3	16.8	6.7	21.6	10.4
Percent with postdoctoral plans unknown ⁵ :	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.0	0.9	1.0	2.2	4.5
Number with definite employment plans in United States after Ph.D.:	20	22	23	30	27	33	24	23	45	36	39	33	35	42
Primary work activity ³ : percent														
R&D	35.0	27.3	56.5	53.3	40.7	51.5	45.8	47.8	71.1	75.0	53.8	66.7	82.9	54.8
Teaching	35.0	50.0	30.4	30.0	37.0	33.3	37.5	30.4	17.8	13.9	28.2	21.2	5.7	21.4
Administrative	5.0	0.0	4.3	3.3	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	2.4
Professional services	20.0	13.6	8.7	13.3	7.4	12.1	4.2	4.3	2.2	2.8	7.7	3.0	0.0	14.3
Other	0.0	4.5	0.0	0.0	7.4	0.0	0.0	0.0	0.0	0.0	2.6	0.0	5.7	2.4
Unknown	5.0	4.5	0.0	0.0	7.4	3.0	12.5	17.4	8.9	5.6	7.7	9.1	5.7	4.8
Type of employer: percent ³														
Educational institution ⁶	55.0	63.6	56.5	76.7	59.3	60.6	70.8	52.2	68.9	58.3	64.1	42.4	37.1	38.1
Industry/business	35.0	18.2	34.8	20.0	22.2	33.3	20.8	39.1	24.4	33.3	23.1	42.4	37.1	50.0
Government	0.0	4.5	0.0	0.0	11.1	3.0	8.3	4.3	2.2	8.3	2.6	0.0	0.0	4.8
Nonprofit	5.0	13.6	0.0	3.3	7.4	0.0	0.0	4.3	4.4	0.0	5.1	3.0	17.1	0.0
Other and unknown	5.0	0.0	8.7	0.0	0.0	3.0	0.0	0.0	0.0	0.0	5.1	12.1	8.6	7.1

¹Includes Andorra, Belgium, Gibraltar, Luxembourg, Monaco, the Netherlands, Portugal, Spain, Switzerland, the Republic of Ireland, Austria, Liechtenstein, Malta,

and unspecified Western European countries.

²This table includes all citizens of Western European countries who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.³Sciences and engineering Ph.D.s only.⁴In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.⁵Includes only those Ph.D. recipients intending to remain in the United States after graduation.⁶Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.**SOURCE:** National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

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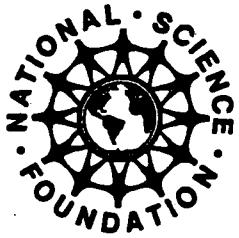
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